

Review

Landsat 7
Calibration Parameter File
Definition

May 15, 1997

430-15-01-002-0

Review

Landsat 7 Calibration Parameter File Definition

430-15-01-002-0

May 15, 1997

Prepared by:

Richard Irish
Senior Systems Engineer
Landsat 7 Project Science Office
Science Systems & Applications, Inc.

Date

Reviewed by:

Brian Markam
Lead Calibration Scientist
Landsat 7 Processing System
Code 923
Goddard Space Flight Center

Date

Concurred by:

Dan Devito
Systems Manager
Earth Science Data & Information System
(ESDIS) Project
Code 505
Goddard Space Flight Center

Date

Darrel L. Williams I
Project Scientist
Landsat 7 Project
Code 923.0
Goddard Space Flight Center

Date

Approved by:

Joy Henegar
Project Manager
Landsat 7 Processing System
Code 514
Goddard Space Flight Center

Date

Table of Contents

1.0 INTRODUCTION.....	1
2.0 DOCUMENT ORGANIZATION.....	1
3.0 APPLICABLE DOCUMENTS.....	1
4.0 FILE STRUCTURE.....	1
5.0 CALIBRATION PARAMETER FILE UPDATES.....	2
5.1 Time Stamps.....	2
5.1 File Naming Conventions.....	2
6.0 FILE CONTENT DESCRIPTION.....	3
6.1 Parameter Group.....	3
6.2 Parameter Name.....	3
6.3 Value Type.....	3
6.4 Data Type.....	3
6.5 Description.....	3
7.0 CPF PARAMETERS.....	4
8.0 CPF ODL	120
8.1 ODL Construct.....	120

1.0 Introduction

This document describes the contents of the calibration parameter file (CPF) generated by the Image Assessment System (IAS) - an element of the Landsat-7 Ground Segment. The IAS is responsible for off-line assessment of image quality to ensure compliance with the radiometric and geometric requirements of the spacecraft and the ETM+ sensor throughout the mission's life.

In addition to its assessment functions, the IAS is also responsible for the radiometric and geometric calibration of the Landsat 7 satellite and ETM+. The IAS periodically performs radiometric and geometric calibration and updates the CPF. This file is stamped with applicability dates and sent to EDC-DAAC for storage and eventual bundling with outbound Level 0R products. The CPF is also sent to the International Ground Stations via the Landsat 7 Mission Operations Center (MOC). The CPF supplies the radiometric and geometric correction parameters required during level 1 processing to create superior products of uniform consistency across the Landsat 7 system.

2.0 Document Organization

After the introduction and this section is a list of relevant publications. Section 4 describes the CPF language and conventions employed. Section 5 describes the attributes used to characterize the calibration parameters. CPF updates and time stamps employed are presented in Section 6. The actual calibration parameters described in this document are first listed in table form under Section 7. Following the table is an CPF construct in Section 8 (in work) that illustrates the actual appearance of the file.

3.0 Applicable Documents

3.1 Planetary Data System Standards Reference, Chapter 12, Object Description Language Specification and Usage, Jet Propulsion Laboratory, California Institute of Technology, Version 3.2, July 24, 1995. URL: <http://pds.jpl.nasa.gov/stdref/chap12.htm>

4.0 File Structure

All parameters are stored as ASCII text using the Object Description Language (ODL) syntax developed by the Jet Propulsion Laboratory. ODL is a tagged keyword language that was developed to provide a human readable data structure to encode data for simplified interchange. The ODL interpreter developed by JPL may, in certain cases, provide for handling of lexical elements (i.e. building blocks) which are included in the CCSDS specification of the Parameter Value Language (PVL). PVL is a superset of ODL. The IAS CPF is a pure ODL implementation without any PVL extensions.

The body of the file is composed of three statement types:

- The attribute assignment statement is used to assign values to parameters.
- Group statements are used to aid in file organization and efficient parsing.
- Object statements are used to refine file organization and enhance the parsing granularity of parameter sets.

ODL details can be found in applicable document 3.1.

5.0 Calibration Parameter File Updates

IAS will update and distribute the calibration parameter file at least every 90 days. Updates will likely be more frequent during early orbit check-out and will also occur between the regular 90 day cycles whenever necessary. Irregular updates, however, will not affect the 90 day schedule. The timed release of a new calibration parameter file must be maintained because of the UT1 time corrections and pole wander predictions included in the file. These parameters span a 180 day interval time centered on the effectivity start date of the new IAS calibration parameter file.

5.1 Time Stamps

The calibration parameter file is time stamped with an effectivity date range. The first two parameters in the file, **effective_date_begin** and **effective_date_end**, designate the range and are of the form MM/DD/YYYY. The **effective_end_date** for the most recent parameter file is its **effective_date_begin** plus 90 days. After this date the file is without applicable UT1 time predictions. When the file is created the **effective_end_date** of the previous version is converted by ECS to the release date of the newest set of parameters. ECS also maintains a data base of calibration parameter file names and their effectivity dates for associating product orders with the appropriate parameter files. The parameter file that accompanies an order has an effectivity date range that includes the acquisition date of the image ordered.

5.2 File Naming Conventions

Through the course of the mission a serial collection of calibration parameter files will be generated and sent to the EDC-DAAC for coupling to OR distribution products. The probability exists that a calibration parameter file will be replaced due to improved calibration parameters for a given period or perhaps file error. The need for file version numbers becomes necessary as file contents change. Also, The following file naming procedure, developed for the FDF for naming products, will be used by the IAS to name the calibration parameter file.

L7YYYYDDDIASCAL.VNN where:

L7	= constant for Landsat 7
V	= letter designating the version number
YYYY	= 4-digit year of file creation
DDD	= 3-digit day of year of file creation
IAS	= Acronym for Image Assessment System
CAL	= 3-letter file type for calibration
V	= letter designating the version number
NN	= sequence number for this file

As an example, suppose four calibration files were created by the IAS on 90 day intervals and sent to the EDC-DAAC during the first year of the mission. Further suppose that the first file was updated twice and the second and third files were updated once. The assigned file names would be:

File 1	L71998001IASCAL.A01	L71998001IASCAL.B01	L71998001IASCAL.C01
File 2	L71998091IASCAL.A02	L71998091IASCAL.B02	
File 3	L71998181IASCAL.A03	L71998181IASCAL.B03	
File 4	L71998271IASCAL.A04		

The above example assumes the effectivity dates do not change. The effectivity date range for a file can change, however, if a specific problem (e.g. detector outage) is discovered somewhere within

the nominal 90 day effectivity range. Assuming this scenario, an addition calibration parameter file is required for the time period under consideration. The **effective_end_date** for the pre-problem calibration parameter file would change to the imaging date the problem occurred and a new version of the file would be created. A post-problem calibration parameter file with a new file name would be created with an **effective_date_begin** corresponding to the imaging date the problem occurred. The **effective_date_end** assigned would be the original **effective_date_end** for the time period under consideration. New versions of all other calibration parameter files affected by the erroneous parameter would also be created.

6.0 File Content Description

Each parameter entry is characterized by the following five attributes:

6.1 Parameter Group

The parameter group identifies a related set of parameters.

6.2 Parameter Name

The parameter name uniquely identifies and describes the content of each parameter.

6.3 Value Type

The value type describes the parameter as either static or dynamic. A static value remains unchanged over the mission's life. A dynamic value will change or has the potential to change over the life of the mission. Significant changes to dynamic values will trigger a calibration parameter file update.

6.4 Data Type

Data types are referred to using hierarchical data format (HDF) number type nomenclature:

type#

where type is either char (character), int (integer), or float (floating point), and # is a decimal count of the number of bits used to represent the data type. The type mnemonics *int* and *char* may be preceded by the letter *u*, indicating an unsigned value. For example, the data type *uint32* refers to an unsigned 32-bit integer value.

Data types relevant to the calibration parameter file are:

Data Type	HDF Nomenclature
8 bit character	char8
8 bit unsigned integer	uint8
16 bit signed integer	int16
32 bit signed integer	int32
32 bit floating point number	float32
64 bit floating point number	float64

6.5 Description

This attribute provides a short description of the parameter, its format and nominal or expected values.

7.0 CPF Parameters

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
File Attributes	Effective_Date_Begin	Dynamic	char8	Effective start date for this file. Valid format: YYYY-MM-DD where YYYY = 1998 - 2050, MM = 01 - 12, DD = 01 - 31	Yes	Yes	IAS
File Attributes	Effective_Date_End	Dynamic	char8	Effective end date for this file. Valid format: YYYY-MM-DD where YYYY = 1998 - 2050, MM = 01 - 12, DD = 01 - 31	Yes	Yes	IAS
File Attributes	IAS_File_Name	Dynamic	char8	Original file name assigned by IAS . Valid format L7YYYYDDDIASCAL.Vnn where: nn = file number V = letter designating the version number	Yes	Yes	IAS
Earth Constants	Ellipsoid_Name	Static	Char8	The name of the ellipsoid used to represent the semimajor and semiminor axes of the earth. Valid format: SSSSS, where SSSSS = WGS84	Yes	Yes	EDC
Earth Constants	Semi_Major_Axis	Static	float64	Earth semimajor axis, the distance in meters from the center of the earth to the equator. Valid format: NNNNNNN.NNN where NNNNNNN.NNN = 6378137.000	Yes	Yes	EDC
Earth Constants	Semi_Minor_Axis	Static	float64	Earth semiminor axis, the distance in meters from the center of the earth to the poles. Valid format: NNNNNNN.NNN where NNNNNNN.NNN = 6356752.314	Yes	Yes	EDC
Earth Constants	Ellipticity	Static	float64	Ratio describing polar flattening or the Earth's deviation from an exact sphere. Valid format: N.NNNNNNNNN where N.NNNNNNNNN = 0.003352811 (1.0/298.258172)	Yes	Yes	EDC
Earth Constants	Eccentricity	Static	float64	Number describing polar flattening or the the Earth's deviation from an exact sphere. Valid format: N.NNNNNNNNN where N.NNNNNNNNN = 0.006694380	Yes	Yes	EDC
Earth Constants	Earth_Spin_Rate	Static	float64	The diurnal spin rate in rad/sec of the earth. Valid format: NN.NNNNNNNNN where NN.NNNNNNNNN = 72.92115855E-06	Yes	Yes	EDC

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Earth Constants	Gravity_Constant	Static	float64	The universal gravitational constant times the mass of the earth. Valid format: N.NNNNNNNENN where N.NNNNNNNENN = 3.986012E14	Yes	Yes	EDC
Earth Constants	J2_Earth_Model_Term	Static	float64	The term that describes the spherical harmonic of the earth. Valid format: NNNN.NNESNN where NNNN.NNESNN = 1082.64E-06	Yes	Yes	EDC
Orbit_Parameters	WRS_Cycle_Days	Static	uint8	The time period, in days, required for the satellite to view the earth once. Valid format: NN where NN = 16	No	Yes	IAS
Orbit_Parameters	WRS_Cycle_Orbits	Static	uint8	The number of orbits or paths in a complete WRS cycle. Valid format: NNN where NNN = 233	No	Yes	IAS
Orbit_Parameters	Scenes_Per_Orbit	Static	uint8	The number of scenes or row locations per orbit. Valid format: NNN where NNN = 248	No	Yes	IAS
Orbit_Parameters	Orbital_Period	Static	float64	The time required, in seconds, to complete one orbit. Valid format: NNNN.NNNN where NNNN.NNNN = 5933.0472	No	Yes	LMC System Spec.
Orbit_Parameters	Angular_Momentum	Static	float64	Angular momentum in the orbit, specified in meters squared per second. Valid format: NN.NNNNNNNEN where NN.NNNNNNNEN = 53.104278E7	No	Yes	LMC System Spec.
Orbit_Parameters	Orbit_Radius	Static	float64	The nominal distance in km from earth center to the spacecraft track. Valid format: NNNN.NNN where NNNN.NNN = 7083.437	No	Yes	LMC System Spec.
Orbit_Parameters	Orbit_Semimajor_Axis	Static	float64	Nominal semimajor axis in km of the satellite's orbit. Valid format: NNNN.NNNN where NNNN.NNNN = 7077.9000	No	Yes	LMC System Spec.
Orbit_Parameters	Orbit_Semiminor_Axis	Static	float64	Nominal semiminor axis in km of the satellite's orbit.	No	Yes	LMC System Spec.

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid format: NNNN.NNNN where NNNN.NNNN = 7069.5800			
Orbit_Parameters	Orbit_Eccentricity	Static	float64	The nominal eccentricity of the satellite's orbit. Valid format: N.NNNNN where N.NNNNN = 0.00118	No	Yes	LMC System Spec.
Orbit_Parameters	Inclination_Angle	Static	float64	The angle in degrees formed by the earth equatorial and the satellite plane. Valid format: NN.NNNN where NN.NNNN = 98.2098	No	Yes	LMC System Spec.
Orbit_Parameters	Argument_Of_Perigee	Static	float32	Nominal angle in degrees of the point nearest the earth in the orbit as measured from the ascending node in the direction of satellite motion. Valid format: NN.N where NN.N = 90.0	No	Yes	LMC System Spec.
Orbit_Parameters	Descending_Node_Row	Static	uint8	The row corresponding to the earth's equator. Valid format: NN Where NN = 60	No	Yes	IAS
Orbit_Parameters	Long_Path1_Row60	Static	float32	The longitude in degrees West of the point at which path 1 crossed the equator (row 60). Valid format: SNN.N where SNN.N = - 64.6	No	Yes	LMC System Spec.
Orbit_Parameters	Descending_Node_Time_Min	Static	char8	The minimum local solar time of the descending node. in AM hours & minutes. Valid format: HH:MM where HH:MM = 09:45	No	Yes	IAS
Orbit_Parameters	Descending_Node_Time_Max	Static	char8	The maximum local solar time of the descending node. in AM hours & minutes. Valid format: HH:MM where HH:MM = 10:00	No	Yes	IAS
Orbit_Parameters	Nodal_Regression_Rate	Static	float64	The rate in degrees per day that the orbital plane rotates with respect to the earth. Valid format: N.NNNNNNN where N.NNNNNNN = 0.9856473	No	Yes	LMC System Spec.
Scanner_Parameters	Lines_Per_Scan_30	Static	uint8	Detectors per scan for bands 1-5,7 Valid format: NN, where NN = 16	Yes	Yes	IAS
Scanner_Parameters	Lines_Per_Scan_60	Static	uint8	Detectors per scan for band 6 Valid format: N, where N = 8	Yes	Yes	IAS
Scanner_Parameters	Lines_Per_Scan_15	Static	uint8	Detectors per scan for band 8 Valid format: NN, where NN = 32	Yes	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Scanner_Parameters	Scans_Per_Scene	Static	int16	Scans per nominal WRS scene Valid format: NNN, where NN = 374	Yes	Yes	IAS
Scanner_Parameters	Swath_Angle	Dynamic	float32	The object space angle in radians of scan mirror travel during the active scan time. Valid format: N.NNNNNN where N.NNNNNN = 0.26868 (TBS - after measurement of the as built ETM+)	No	Yes	SBRS
Scanner_Parameters	Scan_Rate	Static	float32	The angular scan velocity in radians/second of the scan mirror. Valid format: N.NNNNNN where N.NNNNNN = 2.21095 (TBS)	No	Yes	SBRS
Scanner_Parameters	Dwell_Time_30	Static	float64	Detector sample time in microseconds for bands 1-5, and 7. Valid format: N.NNNNNNNN where N.NNNNNNNN = 9.6109603	No	Yes	SBRS
Scanner_Parameters	Dwell_Time_60	Static	float64	Detector sample time in microseconds for band 6. Valid format: N.NNNNNNNN where N.NNN = 4.8060000	No	Yes	SBRS
Scanner_Parameters	Dwell_Time_15	Static	float64	Detector sample time in microseconds for band 8. Valid format: NN.NNNNNNNN where N.NNN = 19.2220000	No	Yes	SBRS
Scanner_Parameters	Scan_Line_Length_30	Static	int16	The nominal number of detector samples during the active scan time for bands 1-5, and 7. Valid format: NNNN where NNNN = 6330	No	Yes	SBRS
Scanner_Parameters	Scan_Line_Length_60	Static	int16	The nominal number of detector samples during the active scan time for band 6. Valid format: NNNN where NNNN = 3165	No	Yes	SBRS
Scanner_Parameters	Scan_Line_Length_15	Static	int16	The nominal number of detector samples during the active scan time for band 8. Valid format: NNNNN, where NNNNN = 12660	No	Yes	SBRS
Scanner_Parameters	Filter_Frequency_30	Static	float32	The bandwidth in kHz of the detector presample filter (defined by the 3 dB rolloff point) for bands 1-5 and band 7. Valid format: NN.NN where NN.NN = 52.02	No	Yes	SBRS
Scanner_Parameters	Filter_Frequency_60	Static	float32	The bandwidth in kHz of the detector presample filter (defined by the 3 dB rolloff point) for band 6.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid format: NN.NN where NN.NN = 26.01			
Scanner_Parameters	Filter_Frequency_15	Static	float32	The bandwidth in kHz of the detector presample filter (defined by the 3 dB rolloff point) for band 8. Valid format: NNN.NN where NNN.NN = 115.00	No	Yes	SBRS
Scanner_Parameters	IFOV_B1234	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.NNNN where NN.NNNN = 42.5000 (TBS)	No	Yes	SBRS
Scanner_Parameters	IFOV_B57_along_scan	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.N where NN.N = 39.6 (TBS)	No	Yes	SBRS
Scanner_Parameters	IFOV_B57_across_scan	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.N where NN.N = 42.5 (TBS)	No	Yes	SBRS
Scanner_Parameters	IFOV_B6	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.N where NN.N = 85.0 (TBS)	No	Yes	SBRS
Scanner_Parameters	IFOV_B8_along_scan	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.N where NN.N = 18.5 (TBS)	No	Yes	SBRS
Scanner_Parameters	IFOV_B8_across_scan	Static	float32	The angle in urad subtended by the detector when the scanning motion is stopped. Valid format: NN.N where NN.N = 21.3 (TBS)	No	Yes	SBRS
Scanner_Parameters	Scan_Period	Static	float64	The time in milliseconds of a complete scan cycle including forward and reverse scans. Valid format: NNN.NNNNNNN where NNN.NNNNNNN = 142.925000	No	Yes	SBRS
Scanner_Parameters	Scan_Frequency	Static	float32	The number of scans in one second (Hz). Valid format: N.NNNN where N.NNNN = 6.9967	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Scanner_Parameters	Active_Scan_Time	Static	float32	The time in μ s required for the scan mirror to travel from its Scan-Line-Start to End-Of-Line. Valid format: NNNNN.N where NNNNN.N = 60743.0	No	Yes	SBRS
Scanner_Parameters	Turn_Around_Time	Static	float32	The time in ms from End-Of-Line to the next Scan-Line-Start during which the scan mirror motion reverses direction. Valid format: NN.NNN where: NN.NNN = 10.719 (TBS)	No	Yes	SBRS
Spacecraft_Parameters	ADS_Interval	Static	float32	The time in ms between ADS samples. Valid format: N.N where N.N = 2.0	No	Yes	SBRS
Spacecraft_Parameters	ADS_Roll_Offset	Static	float32	The amount of time in ms from start of a PCD cycle to the roll axis measurement. Valid format: N.NNN where N.NNN = 0.375	No	Yes	SBRS
Spacecraft_Parameters	ADS_Yaw_Offset	Static	float32	The amount of time in ms from start of a PCD cycle to the yaw axis measurement. Valid format: N.NNN where N.NNN = 0.875	No	Yes	SBRS
Spacecraft_Parameters	ADS_Pitch_Offset	Static	float32	The amount of time in ms from start of a PCD cycle to the pitch axis measurement. Valid format: N.NNN where N.NNN = 1.375	No	Yes	SBRS
Spacecraft_Parameters	Data_Rate	Static	float32	The ETM+ output bit rate in Mbps. Valid format: NN.NNN where NN.NNN = 74.903 (TBS)	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Forward_Along_SME1_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the departure from linearity of the forward along scan mirror motion. Scan angle monitor (SAM) with scan mirror electronics (SME) number 1. Valid format for each term: SN.NNNNESN where S = '+' or '-', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object:	Forward_Cross_SME1_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward cross scan mirror motion from linear. SAM Mode	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Angles_SME1_SAM				Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'			
Group: Mirror_Parameters Object: Angles_SME1_SAM	Forward_Angle1_SME1_SAM	Static	float32	Angle in μ rad from the start of the scan to the mid-scan point in the forward direction. SAM Mode. Valid format: NNNNN.N where NNNNN.N = 67171.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Forward_Angle2_SME1_SAM	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the forward direction. SAM Mode. Valid format: NNNNN.N where NNNNN.N = 67159.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Reverse_Along_SME1_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse along scan mirror motion from linear. SAM Mode Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Reverse_Cross_SME1_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse cross scan mirror motion from linear. SAM Mode Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Reverse_angle1_SME1_SAM	Static	float32	Angle in μ rad from the start of scan to the mid-scan point in the reverse direction. SAM mode. Valid format: NNNNN.N where NNNNN.N = 67159.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_SAM	Reverse_angle2_SME1_SAM	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the reverse direction. SAM mode. Valid format: NNNNN.N where NNNNN.N = 67171.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Forward_Along_SME2_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward along scan mirror motion from linear. SAM Mode Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Forward_Cross_SME2_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward cross scan mirror motion from linear. SAM Mode	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Angles_SME2_SAM				Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'			
Group: Mirror_Parameters Object: Angles_SME2_SAM	Forward_Angle1_SME2_SAM	Static	float32	Angle in μ rad from the start of the scan to the mid-scan point in the forward direction. SAM mode. Valid format: NNNNN.N where NNNNN.N = 67182.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Forward_Angle2_SME2_SAM	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the forward direction. SAM Mode. Valid format: NNNNN.N where NNNNN.N = 67160.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Reverse_Along_SME2_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse along scan mirror motion from linear. SAM Mode Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Reverse_Cross_SME2_SAM	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse cross scan mirror motion from linear. SAM Mode Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Reverse_angle1_SME2_SAM	Static	float32	Angle in μ rad from the start of scan to the mid-scan point in the reverse direction. SAM mode. Valid format: NNNNN.N where NNNNN.N = 67160.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_SAM	Reverse_angle2_SME2_SAM	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the reverse direction. SAM Mode. Valid format: NNNNN.N where NNNNN.N = 67182.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Forward_Along_SME1_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward along scan mirror motion from linear. Bumper Mode. Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Forward_Cross_SME1_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward cross scan mirror motion from linear. Bumper Mode.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Angles_SME1_Bump				Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'			
Group: Mirror_Parameters Object: Angles_SME1_Bump	Forward_Angle1_SME1_Bump	Static	float32	Angle in μ rad from the start of the scan to the mid-scan point in the forward direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67171.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Forward_Angle2_SME1_Bump	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the forward direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67159.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Reverse_Along_SME1_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse along scan mirror motion from linear. Bumper Mode. Valid format: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Reverse_Cross_SME1_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse cross scan mirror motion from linear. Bumper Mode. Valid format: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Reverse_Angle1_SME1_Bump	Static	float32	Angle in μ rad from the start of scan to the mid-scan point in the reverse direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67159.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME1_Bump	Reverse_Angle2_SME1_Bump	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the reverse direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67171.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Forward_Along_SME2_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward along scan mirror motion from linear. Bumper Mode. Valid format: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Forward_Cross_SME2_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the forward cross scan mirror motion from linear. Bumper Mode.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Angles_SME2_Bump				Valid format: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'			
Group: Mirror_Parameters Object: Angles_SME2_Bump	Forward_Angle1_SME2_Bump	Static	float32	Angle in μ rad from the start of the scan to the mid-scan point in the forward direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67182.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Forward_Angle2_SME2_Bump	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the forward direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67162.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Reverse_Along_SME2_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse along scan mirror motion from linear. Bumper Mode. Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Reverse_Cross_SME2_Bump	Static	float64 array 6 values	Fifth order polynomial coefficients that describe the deviation of the reverse cross scan mirror motion from linear. Bumper Mode. Valid format for each term: SN.NNNNESN where S = '+' or '−', N = 0 to 9, and E = 'E'	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Reverse_Angle1_SME2_Bump	Static	float32	Angle in μ rad from the start of scan to the mid-scan point in the reverse direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67160.0	No	Yes	SBRS
Group: Mirror_Parameters Object: Angles_SME2_Bump	Reverse_angle2_SME2_Bump	Static	float32	Angle in μ rad from the mid-scan point to the end of scan in the reverse direction. Bumper mode. Valid format: NNNNN.N where NNNNN.N = 67182.0	No	Yes	SBRS
Group: Mirror_Parameters	Error_Conversion_Factor	Static	Real	First half and second half scan mirror error measurement units in microseconds. Valid format. = N.NNNNNESN where N.NNNNNESN = 0.18845E-6 (5.306437 MHz)	No	Yes	SBRS
Group: Scan_Line_Corrector	Primary_Angular_Velocity	Static	float32	The angular velocity in radians/second of the primary scan line corrector.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid format: N.NNNNN where N.NNNNN = 0.00966			
Group: Scan_Line_Corrector	Secondary_Angular_Velocity	Static	float32	The angular velocity in radians/second of the secondary scan line corrector. Valid format: N.NNNNN where N.NNNNN = 0.00960	No	Yes	SBRS
Group: Scan_Line_Corrector	Primary Corrector Motion	Static	float32 array 6 values	Fifth order polynomial coefficients that describe the motion of the primary scan line corrector. Valid format for each term: N.NNNNN where N.NNNNN = 0.0 (TBS)	No	Yes	SBRS
Group: Scan_Line_Corrector	Secondary Corrector Motion	Static	float32 array 6 values	Fifth order polynomial coefficients that describe the motion of the secondary scan line corrector. Valid format for each term: N.NNNNN where N.NNNNN = 0.0 (TBS)	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Band_Offsets	Along_Scan_Band_Offsets	Static	float32 array 8 values	Nominal displacement in μ rad from the center of the focal plane to each band's optical axis. Valid format: NNNN.NNN where NNNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Band_Offsets	Across_Scan_Band_Offsets	Static	float32 array 8 values	Nominal displacement in μ rad from the center of the focal plane to each band's scan motion axis. Valid format: NNNN.NNN where NNNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Band_Offsets	Forward_Focal_Plane_Offsets	Static	float32 array 8 values	Offset in IFOV's for focal plane forward scans. Valid format: NNN.NNN where NNN.NNN = TBS	Yes	Yes	SBRS
Group: Focal_Plane_Parameters Object: Band_Offsets	Reverse_Focal_Plane_Offsets	Static	float32 array 8 values	Offset in IFOV's for focal plane reverse scans. Valid format: NNN.NNN where NNN.NNN = TBS	Yes	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Forward_Along_Scan_DO_B1	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 1. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Reverse_Along_Scan_DO_B1	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 1. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B2	Static	float32 array	Forward along scan detector offsets in IFOV for each detector in band 2.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Detector_Offsets			16 values	Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B2	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 2. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B3	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 3. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B3	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 3. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B4	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 4. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B4	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 4. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B5	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 5. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B5	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 5. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B6	Static	float32 array 8 values	Forward along scan detector offsets in IFOV for each detector in band 6. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B6	Static	float32 array 8 values	Reverse along scan detector offsets in IFOV for each detector in band 6. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B7	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 7. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B7	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 7. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Object: Detector_Offsets							
Group: Focal_Plane_Parameters	Forward_Along_Scan_DO_B8	Static	float32 array	Forward along scan detector offsets in IFOV for each detector in band 8.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Detector_Offsets			32 values	Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Along_Scan_DO_B8	Static	float32 array 32 values	Reverse along scan detector offsets in IFOV for each detector in band 8.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B1	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 1.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Across_Scan_DO_B1	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 1.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B2	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 2.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Across_Scan_DO_B2	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 2.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B3	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 3.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Across_Scan_DO_B3	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 3.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B4	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 4.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Across_Scan_DO_B4	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 4.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B5	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 5.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Reverse_Across_Scan_DO_B5	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 5.	No	Yes	SBRS
Object: Detector_Offsets				Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters	Forward_Across_Scan_DO_B6	Static	float32 array	Forward along scan detector offsets in IFOV for each detector in band 6.	No	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Detector_Offsets			8 values	Valid format NNN.NNN where NNN.NNN = TBS			
Group: Focal_Plane_Parameters Object: Detector_Offsets	Reverse_Across_Scan_DO_B6	Static	float32 array 8 values	Reverse along scan detector offsets in IFOV for each detector in band 6. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Forward_Across_Scan_DO_B7	Static	float32 array 16 values	Forward along scan detector offsets in IFOV for each detector in band 7. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Reverse_Across_Scan_DO_B7	Static	float32 array 16 values	Reverse along scan detector offsets in IFOV for each detector in band 7. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Forward_Across_Scan_DO_B8	Static	float32 array 32 values	Forward along scan detector offsets in IFOV for each detector in band 8. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Detector_Offsets	Reverse_Across_Scan_DO_B8	Static	float32 array 32 values	Reverse along scan detector offsets in IFOV for each detector in band 8. Valid format NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Odd_Even_Offsets	Forward_Even_Detector_Shift	Static	float32 array 8 values	Adjustments in IFOV's to compensate for forward band offsets, even detector layout geometry and multiplexer sampling for bands 1 through 8. Valid format: NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Odd_Even_Offsets	Forward_Odd_Detector_Shift	Static	float32 array 8 values	Adjustments in IFOV's to compensate for forward band offsets, odd detector layout geometry and multiplexer sampling for bands 1 through 8. Valid format: NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Odd_Even_Offsets	Reverse_Even_Detector_Shift	Static	float32 array 8 values	Adjustments in IFOV's to compensate for reverse band offsets, even detector layout geometry and multiplexer sampling for bands 1 through 8. Valid format: NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Focal_Plane_Parameters Object: Odd_Even_Offsets	Reverse_Odd_Detector_Shift	Static	float32 array 8 values	Adjustments in IFOV's to compensate for reverse band offsets, odd detector layout geometry and multiplexer sampling for bands 1 through 8. Valid format: NNN.NNN where NNN.NNN = TBS	No	Yes	SBRS
Group: Attitude_Parameters	Gyro_To_Attitude_Matrix	Static	float32 array 9 values	A matrix describing the relationship of the gyro axis to the attitude control reference axis. Valid format: N.N, where N.N = 0.0 (TBS)	Yes	Yes	LMC
Group:	ADSA_To_ETM_Matrix	Static	float32	A matrix describing the relationship of the ADSA			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Attitude_Parameters			array 9 values	to the ETM+ Optical Axis. Valid format: N.N, where N.N = 0.0 (TBS)	Yes	Yes	LMC
Group: Attitude_Parameters	Attitude_To_ETM_Matrix	Static	float32 array 9 values	A matrix describing the relationship of the attitude control reference axis to the ETM+ optical axis. Valid format: N.NNNNNNNN, where N.NNNNNNNN = 0.0 (TBS)	Yes	Yes	LMC
Group: Attitude_Parameters	Spacecraft_Roll_Bias	Static	float32	Spacecraft roll bias in radians. Valid format N.NNNNNNNN where N.NNNNNNNN = TBS	Yes	Yes	LMC
Group: Attitude_Parameters	Spacecraft_Pitch_Bias	Static	float32	Spacecraft pitch bias in radians. Valid format N.NNNNNNNN where N.NNNNNNNN = TBS	Yes	Yes	LMC
Group: Attitude_Parameters	Spacecraft_Yaw_Bias	Static	float32	Spacecraft yaw bias in radians. Valid format N.NNNNNNNN where N.NNNNNNNN = TBS	Yes	Yes	LMC
Group: Time_Parameters	Scan_Time	Static	float32	The nominal scan time in μ rad/second. Valid format = NNNNN.N where NNNNN.N = 60743.0	No	Yes	SBRS
Group: Time_Parameters	Forward_First_Half_Time	Static	float32	The nominal forward first half scan time in μ rad/second. Valid format = NNNNN.N where NNNNN.N = 30371.4	No	Yes	SBRS
Group: Time_Parameters	Forward_Second_Half_Time	Static	float32	The nominal forward second half scan time in μ rad/second. Valid format = NNNNN.N where NNNNN.N = 30371.6	No	Yes	SBRS
Group: Time_Parameters	Reverse_First_Half_Time	Static	float32	The nominal reverse first half scan time in μ rad/second. Valid format: NNNNN.N where NNNNN.N = 30371.6	No	Yes	SBRS
Group: Time_Parameters	Reverse_Second_Half_Time	Static	float32	The nominal reverse second half scan time in μ rad/second. Valid format = NNNNN.N where NNNNN.N = 30371.4	No	Yes	SBRS
Group: Transfer_Function Object: IMU	Fn	Static	float64	Inertial measurement unit transfer function resonant frequency (Hertz)	No	Yes	LMC

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Format: N.NNNN, where N.NNNN = TBS			
Group: Transfer_Function Object: IMU	Zeta	Static	float64	Inertial measurement unit transfer function damping coefficient. Format: N.NNNN, where N.NNNN = TBS	No	Yes	LMC
Group: Transfer_Function Object: IMU	Tau	Static	float64	Inertial measurement unit transfer function denominator time constant (seconds). Format: NN.NNNNENN, where NN.NNNNENN = TBS	No	Yes	LMC
Group: Transfer_Function Object: IMU	P	Static	float64	Inertial measurement unit transfer function numerator time constant (seconds). Format: NN.NNNNENN, where NN.NNNNENN = TBS	No	Yes	LMC
Group: Transfer_Function Object: IMU	Ak	Static	float64	Inertial measurement unit transfer function DC gain. Format: N.NNNNNN where N.NNNNNN = TBS	No	Yes	LMC
Group: Transfer_Function Object: ADS	ADS_num	Static	float64 array 18 values	Transfer function numerator coefficients in the order a0, a1, a2, a3, a4, a5. One set of six coefficients for each of the 3 ADS units. Determined at 15 degrees C. Format: N.NNNNEN where: N.NNNNEN = TBS	No	Yes	LMC
Group: Transfer_Function Object: ADS	ADS_den	Static	float64 array 18 values	Transfer function denominator coeffs. in the order b0, b1, b2, b3, b4, b5. One set of six coefficients for each of the 3 ADS units. Determined at 15 degrees C. Format: N.NNNNEN where: N.NNNNEN = TBS	No	Yes	LMC
Group: Transfer_Function Object: ADS	ADS_num_temp	Static	float64 array 18 values	Temperature dependent part of ADS transfer function numerator coefficints in the order da0, da1, da2, da3, da4, da5. One set of six coeeficients for each of the three ADS units. Change per degree C. Format: N.NNNNEN where: N.NNNNEN = TBS	No	Yes	LMC
Group: Transfer_Function Object: ADS	ADS_den_temp	Static	float64 array 18 values	Temperature dependent part of ADS transfer function denominator coefficints in the order da0, da1, da2, da3, da4, da5. One set of six coeeficients for each of the three ADS units. Change per degree C. Format: N.NNNNEN where: N.NNNNEN = TBS	No	Yes	LMC
Group: Transfer_Function Object: Prefilter	ADSPre_W	Static	float64 array 5 values	ADS prefilter transfer function quadratic term resonant periods (Note: given as period instead of frequency as was used in L6 so that the transfer f function can be set to unity if necessary) Format: N.NNNNNNNN, where N.NNNNNNNN = TBS	No	Yes	LMC
Group: Transfer_Function	ADSPre_H	Static	float64	ADS prefilter transfer function quadratic term			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description		LPS Need	LPGS Need	Pre-Launch Source
Object: Prefilter			array 5 values	damping coefficients. Format: N.NNNNNNN where N.NNNNNNN = TBS		No	Yes	LMC
Group: Transfer_Function Object: Prefilter	ADSPre_T	Static	float64 array 5 values	ADS prefilter transfer function linear term time constants. Format: N.NNNNNNN where N.NNNNNNN = TBS		No	Yes	LMC
Group: UT1_Time_Parameters	UT1_Year	Dynamic	int16 array 180 values	Year of UT1 time correction prediction. Values span 180 days. Valid format: YYYY where YYYY = 1998 - 2008		Yes	Yes	National Earth Orientation Service (NEOS)
Group: UT1_Time_Parameters	UT1_Month	Dynamic	char8 array 180 values	Month of UT1 time correction prediction. Values span 180 days. Valid format: MMM where MMM = Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec		Yes	Yes	NEOS
Group: UT1_Time_Parameters	UT1_Day	Dynamic	uint8 array 180 values	Day of UT1 time correction prediction. Values span 180 days. Valid format: NN where NN = 1-31		Yes	Yes	NEOS
Group: UT1_Time_Parameters	UT1_Modified_Julian	Dynamic	int32 array 180 values	Modified Julian Day. Values span 180 days. MJD = Julian Day - 2 400 000.5. The Julian Date is a running day count starting 1 January 4713 B.C. Valid format: NNNNN where NNNNN = 50234 (May 31, 1996)		Yes	Yes	NEOS
Group: UT1_Time_Parameters	UT1_X	Dynamic	float32 array 180 values	X shift pole wander in arc seconds. Values span 180 days. Valid format: N.NNNNN where N.NNNNN = e.g. 0.45431		Yes	Yes	NEOS
Group: UT1_Time_Parameters	UT1_Y	Dynamic	float32 array 180 values	Y shift pole wander in arc seconds. Values span 180 days. Valid format: N.NNNNN where N.NNNNN = e.g. 0.13454		Yes	Yes	NEOS
Group: UT1_Time_Parameters	UT1_UTC	Dynamic	float32 array 180 values	UT1 - UTC time difference in seconds. Values span 180 days. Valid format: N.NNNNN where N.NNNNN = (e.g. 0.44321)		Yes	Yes	NEOS
Group: Detector_Status	Status_Band1	Dynamic	char8 array 16 values	Health status of band 1's 16 detectors. Valid format: ABCDE where: where A = 0 (live), 1 (dead), 2 (intermittent) B = 0 (noise in spec, low gain), 1 (noisy low signal),				

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				2 (noisy high signal), 3(noisy both signals) C = 0 (noise in spec, high gain), 1 (noisy low signal), 2 (noisy high signal), 3(noisy both signals) D = 0 (dynamic range in spec, low gain) 1 (fail, high end), 2 (fail, low end), 3 (fail, both ends) E = 0 (dynaminc range in spec, high gain), 1 (fail, low end), 2 (fail, low end), 3 (fail, both ends)	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band2	Dynamic	char8 array 16 values	Health status of band 2's 16 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band3	Dynamic	char8 array 16 values	Health status of band 3's 16 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band4	Dynamic	char8 array 16 values	Health status of band 4's 16 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band5	Dynamic	char8 array 16 values	Health status of band 5's 16 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band6	Dynamic	char8 array 8 values	Health status of band 6's 8 dectectors. Valid format: as above	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Status	Status_Band7	Dynamic	char8 array 16 values	Health status of band 7's 16 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Status	Status_Band8	Dynamic	char8 array 32 values	Health status of band 8's 32 dectectors. Valid format: as above	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B1L_Prelaunch	Static	float64 array 16 values	Band 1 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B1L_Postlaunch	Static	float64 array 16 values	Band 1 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object:	B1L_Current	Dynamic	float64 array	Band 1 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Detector_Gains_Low			16 values	where NNN.NNNN = TBS			
Group: Detector_Gains Object: Detector_Gains_Low	B2L_Prelaunch	Static	float64 array 16 values	Band 2 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B2L_Postlaunch	Static	float64 array 16 values	Band 2 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B2L_Current	Dynamic	float64 array 16 values	Band 2 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B3L_Prelaunch	Static	float64 array 16 values	Band 3 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B3L_Postlaunch	Static	float64 array 16 values	Band 3 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B3L_Current	Dynamic	float64 array 16 values	Band 3 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B4L_Prelaunch	Static	float64 array 16 values	Band 4 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B4L_Postlaunch	Static	float64 array 16 values	Band 4 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B4L_Current	Dynamic	float64 array 16 values	Band 4 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B5L_Prelaunch	Static	float64 array 16 values	Band 5 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B5L_Postlaunch	Static	float64 array 16 values	Band 5 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object:	B5L_Current	Dynamic	float64 array	Band 5 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Detector_Gains_Low			16 values	where NNN.NNNN = TBS			
Group: Detector_Gains Object: Detector_Gains_Low	B6L_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Gains Object: Detector_Gains_Low	B6L_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B6L_Current	Dynamic	float64 array 8 values	Band 6 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Gains Object: Detector_Gains_Low	B7L_Prelaunch	Static	float64 array 16 values	Band 7 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B7L_Postlaunch	Static	float64 array 16 values	Band 7 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B7L_Current	Dynamic	float64 array 16 values	Band 7 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B8L_Prelaunch	Static	float64 array 32 values	Band 8 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_Low	B8L_Postlaunch	Static	float64 array 32 values	Band 8 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_Low	B8L_Current	Dynamic	float64 array 32 values	Band 8 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B1H_Prelaunch	Static	float64 array 16 values	Band 1 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B1H_Postlaunch	Static	float64 array 16 values	Band 1 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object:	B1H_Current	Dynamic	float64 array	Band 1 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Detector_Gains_High			16 values	where NNN.NNNN = TBS			
Group: Detector_Gains Object: Detector_Gains_High	B2H_Prelaunch	Static	float64 array 16 values	Band 2 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B2H_Postlaunch	Static	float64 array 16 values	Band 2 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B2H_Current	Dynamic	float64 array 16 values	Band 2 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B3H_Prelaunch	Static	float64 array 16 values	Band 3 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B3H_Postlaunch	Static	float64 array 16 values	Band 3 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B3H_Current	Dynamic	float64 array 16 values	Band 3 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B4H_Prelaunch	Static	float64 array 16 values	Band 4 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B4H_Postlaunch	Static	float64 array 16 values	Band 4 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B4H_Current	Dynamic	float64 array 16 values	Band 4 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B5H_Prelaunch	Static	float64 array 16 values	Band 5 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B5H_Postlaunch	Static	float64 array 16 values	Band 5 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object:	B5H_Current	Dynamic	float64 array	Band 5 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Detector_Gains_High			16 values	where NNN.NNNN = TBS			
Group: Detector_Gains Object: Detector_Gains_High	B6H_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Gains Object: Detector_Gains_High	B6H_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B6H_Current	Dynamic	float64 array 8 values	Band 6 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Gains Object: Detector_Gains_High	B7H_Prelaunch	Static	float64 array 16 values	Band 7 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B7H_Postlaunch	Static	float64 array 16 values	Band 7 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B7H_Current	Dynamic	float64 array 16 values	Band 7 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B8H_Prelaunch	Static	float64 array 32 values	Band 8 prelaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Detector_Gains Object: Detector_Gains_High	B8H_Postlaunch	Static	float64 array 32 values	Band 8 postlaunch gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Gains Object: Detector_Gains_High	B8H_Current	Dynamic	float64 array 32 values	Band 8 current gain in Counts/W/m^2-ster-μm Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	AC02/AC48
Group: Bias_Locations	Forward_Bias_Location_30	Static	int16	Offset from internal calibrator pulse to the per-line bias location starting point for bands 1-5, and 7. Valid Format: NNN Where NNN = TBS	No	Yes	LPSO Analysis of pre-launch AC02/AC48
Group: Bias_Locations	Reverse_Bias_Length_30	Static	int16	Minor frames to use in calculating the per-line bias for bands 1-5, and 7. Valid Format: NNN Where NNN = TBS	No	Yes	LPSO Analysis of pre-launch AC02/AC48
Group: Bias_Locations	Forward_Bias_Location_60	Static	int16	Offset from internal calibrator pulse to the per-line bias location starting point for band 6.	No	Yes	LPSO Analysis of pre-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid Format: NNN Where NNN = TBS			BL10
Group: Bias_Locations	Reverse_Bias_Length_60	Static	int16	Minor frames to use in calculating the per-line bias for band 6. Valid Format: NNN Where NNN = TBS	No	Yes	LPSO Analysis of pre-launch BL10
Group: Bias_Locations	Forward_Bias_Location_15	Static	int16	Offset from internal calibrator pulse to the per-line bias location starting point for band 8. Valid Format: NNN Where NNN = TBS	No	Yes	LPSO Analysis of pre-launch AC02/AC48
Group: Bias_Locations	Reverse_Bias_Length_15	Static	int16	Minor frames to use in calculating the per-line bias for band 8. Valid Format: NNN Where NNN = TBS	No	Yes	LPSO Analysis of pre-launch AC02/AC48
Group: Detector_Biases_B6 Object: Detector_Biases_B6_Low	B6L_Bias_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch low gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Biases_B6 Object: Detector_Biases_B6_Low	B6L_Bias_PostLaunch	Static	float64 array 8 values	Band 6 postlaunch low gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Biases_B6 Object: Detector_Biases_B6_Low	B6L_Bias_Current	Dynamic	float64 array 8 values	Band 6 current low gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Biases_B6 Object: Detector_Biases_B6_High	B6H_Bias_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch high gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: Detector_Biases_B6 Object: Detector_Biases_B6_High	B6H_Bias_PostLaunch	Static	float64 array 8 values	Band 6 postlaunch high gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Detector_Biases_B6 Object: Detector_Biases_B6_High	B6H_Bias_Current	Dynamic	float64 array 8 values	Band 6 current high gain bias in digital counts Format NNN.NNNN where NNN.NNNN = TBS	No	Yes	BL10 in Thermal Vacuum
Group: ACCA_Biases Object:	B1L_ACCA_Bias	Dynamic	float32 array	Band 1 low gain ACCA bias in digital counts for detectors 1-16.	Yes	No	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
ACCA_Biases_Low			16 values	Format NNN.NNN where NNN.NNN = TBS			
Group: ACCA_Biases Object: ACCA_Biases_Low	B2L_ACCA_Bias	Dynamic	float32 array 16 values	Band 2 low gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B3L_ACCA_Bias	Dynamic	float32 array 16 values	Band 3 low gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B4L_ACCA_Bias	Dynamic	float32 array 16 values	Band 4 low gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B5L_ACCA_Bias	Dynamic	float32 array 16 values	Band 5 low gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B6L_ACCA_Bias	Dynamic	float32 array 8 values	Band 6 low gain ACCA bias in digital counts for detectors 1- 8 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B7L_ACCA_Bias	Dynamic	float32 array 16 values	Band 7 low gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_Low	B8L_ACCA_Bias	Dynamic	float32 array 32 values	Band 8 low gain ACCA bias in digital counts for detectors 1-32 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_High	B1H_ACCA_Bias	Dynamic	float32 array 16 values	Band 1 high gain ACCA bias in digital counts for detectors 1-16. Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_High	B2H_ACCA_Bias	Dynamic	float32 array 16 values	Band 2 high gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_High	B3H_ACCA_Bias	Dynamic	float32 array 16 values	Band 3 high gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_High	B4H_ACCA_Bias	Dynamic	float32 array 16 values	Band 4 high gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object:	B5H_ACCA_Bias	Dynamic	float32 array	Band 5 high gain ACCA bias in digital counts for detectors 1-16	Yes	No	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
ACCA_Biases_High			16 values	Format NNN.NNN where NNN.NNN = TBS			
Group: ACCA_Biases Object: ACCA_Biases_High	B6H_ACCA_Bias	Dynamic	float32 array 8 values	Band 6 high gain ACCA bias in digital counts for detectors 1- 8 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Biases Object: ACCA_Biases_High	B7H_ACCA_Bias	Dynamic	float32 array 16 values	Band 7 high gain ACCA bias in digital counts for detectors 1-16 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
ACCA_Biases Object: ACCA_Biases_High	B8H_ACCA_Bias	Dynamic	float32 array 32 values	Band 8 high gain ACCA bias in digital counts for detectors 1-32 Format NNN.NNN where NNN.NNN = TBS	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B3	Dynamic	float32	Band 3 ACCA threshold Format: N.NNNNN where N.NNNNN = 0.3000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B56_High	Dynamic	float32	Band 5-6 high composite threshold Format: NNN.NNN where NNN.NNN = 225.000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B56_Low	Dynamic	float32	Band 5-6 low composite threshold Format: NNN.NNN where NNN.NNN = 210.000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B6	Dynamic	float32	Band 6 threshold - maximum cloud temperature Format: NNN.NNN, where NNN.NNN = 300.000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B45_Ratio	Dynamic	float32	Band 4-5 ratio threshold Format: N.NNNNN where N.NNNNN = 1.0750	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B42_Ratio	Dynamic	float32	Band 4-2 ratio threshold Format: N.NNNNN where N.NNNNN = 2.0000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_B43_Ratio	Dynamic	float32	Band 4-3 ratio threshold Format: N.NNNNN where N.NNNNN = 2.0000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_NDSI_Max	Dynamic	float32	Normalized Snow Difference Index ceiling Format: N.NNNNN where N.NNNNN = 0.7000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_NDSI_Min	Dynamic	float32	Normalized Snow Difference Index floor Format: N.NNNNN where N.NNNNN = 0.8000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_NDSI_Snow	Dynamic	float32	NDSI threshold used to identify snow Format: NN.NNNNN where NN.NNNNN = -0.2500	Yes	No	LPSO
Group: ACCA_Thresholds	Cloud_Percent_Min	Dynamic	float32	Minimum cloud cover % required for pass two. Format: N.NNNNN where N.NNNNN = 0.4000	Yes	No	LPSO
Group: ACCA_Thresholds	Desert_Index	Dynamic	float32	Desert index (Thresh_45_Ratio / Thresh_42_Ratio) Format: N.NNNNN where N.NNNNN = 0.5000	Yes	No	LPSO
Group: ACCA_Thresholds	Thresh_Snow_Percent	Dynamic	float32	Maximum snow cover % allowed to use looser cloud properties for pass two.	Yes	No	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Format: N.NNN where N.NNN = 1.000			
Group: ACCA_Thresholds	Thermal_Effect_High	Dynamic	float32	Maximum allowable pass two % cloud cover increase allowed using the looser cloud properties. Format: NNN.NNN where NNN.NNN = 40.000	Yes	No	LPSO
Group: ACCA_Thresholds	Thermal_Effect_Low	Dynamic	float32	Maximum allowable pass two % cloud cover increase allowed using narrower cloud properties. Format: NNN.NNN where NNN.NNN = 30.000	Yes	No	LPSO
Group: ACCA_Thresholds	B6max_Maxthresh_Diff	Dynamic	float32	Minimum difference allowed between the maximum cloud temperature and maximum thermal threshold Format: NN.NNN where NN.NNN = 2.000	Yes	No	LPSO
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B1L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 1, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B2L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 2, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B3L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 3, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B4L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 4, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B5L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 5, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B6L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 6, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B7L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 7, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_Low	B8L_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 8, low gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object:	B1H_Lmin_Lmax	Static	float32 array	Post calibration 8 bit dynamic range scaling factors for band 1, high gain.	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Scaling_Parameters_High			2 values	Valid format: NN.NNN where NN.NNN = TBS			
Group: Scaling_Parameters Object: Scaling_Parameters_High	B2H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 2, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B3H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 3, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B4H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 4, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B5H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 5, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B6H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 6, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B7H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 7, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: Scaling_Parameters Object: Scaling_Parameters_High	B8H_Lmin_Lmax	Static	float32 array 2 values	Post calibration 8 bit dynamic range scaling factors for band 8, high gain. Valid format: NN.NNN where NN.NNN = TBS	No	Yes	Post-launch
Group: MTF_Compensation	B1_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 1. Valid format: NN.NNNNN where NN.NNNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B1_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 1. Valid format: NN.NNNNN where NN.NNNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B2_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 2. Valid format: NN.NNNNN where NN.NNNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B2_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 2. Valid format: NN.NNNNN where NN.NNNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B3_weights_along	Dynamic	float64 array	Weighting function coefficients used to compute the along scan MTFC for band 3.	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
			5 values	Valid format: NN.NNNN where NN.NNNN = TBS			
Group: MTF_Compensation	B3_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 3. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B4_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 4. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B4_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 4. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B5_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 5. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B5_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 5. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B6_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 6. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B6_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 6. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B7_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 7. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B7_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 7. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B8_weights_along	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the along scan MTFC for band 8. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: MTF_Compensation	B8_weights_across	Dynamic	float64 array 5 values	Weighting function coefficients used to compute the across scan MTFC for band 8. Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B1_ME_Magnitude	Dynamic	float32 array	Band 1 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
			16 values	where NNN.NNNNNNNN = TBS			
Group: Memory_Effect Object: ME_Magnitudes	B2_ME_Magnitude	Dynamic	float32 array 16 values	Band 2 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B3_ME_Magnitude	Dynamic	float32 array 16 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B4_ME_Magnitude	Dynamic	float32 array 16 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B5_ME_Magnitude	Dynamic	float32 array 16 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B6_ME_Magnitude	Dynamic	float32 array 8 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B7_ME_Magnitude	Dynamic	float32 array 16 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Magnitudes	B8_ME_Magnitude	Dynamic	float32 array 32 values	Band 3 memory effect magnitude measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B1_ME_Time_Constant	Dynamic	float32 array 16 values	Band 1 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B2_ME_Time_Constant	Dynamic	float32 array 16 values	Band 2 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B3_ME_Time_Constant	Dynamic	float32 array 16 values	Band 3 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B4_ME_Time_Constant	Dynamic	float32 array 16 values	Band 4 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object:	B5_ME_Time_Constant	Dynamic	float32 array	Band 5 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
ME_Time_Constants			16 values	where NNNN.NNNNNNNN = TBS			
Group: Memory_Effect Object: ME_Time_Constants	B6_ME_Time_Constant	Dynamic	float32 array 8 values	Band 6 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B7_ME_Time_Constant	Dynamic	float32 array 16 values	Band 7 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Memory_Effect Object: ME_Time_Constants	B8_ME_Time_Constant	Dynamic	float32 array 32 values	Band 8 time constant measured in Minor Frames. Format = NNNN.NNNNNNNN where NNNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Ghost_Pulse	Ghost_Pulse_Endpoints	Dynamic	float32 array 2 values	Beginning and ending fractional minor frames that bound the IC ghost pulse. Format: NNNN.NNNN where NNNN.NNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift	SCS_Reference_Detectors	Dynamic	uint8 array 8 values	Scan correlated shift reference detector, one per band. Format = NN, where NN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B1L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 1 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B2L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 2 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B3L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 3 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B4L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 4 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B5L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 5 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_Low	B7L_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 7 low gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift	B1H_SCS_Magnitudes	Dynamic	float32 array	Magnitude of band 1 high gain shift in digital numbers. Format = NNN.NNNNNNNN where	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: SCS_High			16 values	NNN.NNNNNNNN = TBS			
Group: Scan_Correlated_Shift Object: SCS_High	B2H_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 2 high gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_High	B3H_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 3 high gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_High	B4H_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 4 high gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_High	B5H_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 5 high gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Scan_Correlated_Shift Object: SCS_High	B7H_SCS_Magnitudes	Dynamic	float32 array 16 values	Magnitude of band 7 high gain shift in digital numbers. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B1_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 1, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B2_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 2, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B3_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 3, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B4_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 4, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B5_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 5, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B6_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 6, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B7_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 7 , low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_Low	Correction_Reference_B8_Low	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 8, low gain. Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B1_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 1, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B2_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 2, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B3_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 3, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B4_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 4, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B5_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 5, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B6_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 6, high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Striping Object: Striping_Flag_High	Correction_Reference_B7_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 7 , high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Striping Object: Striping_Flag_High	Correction_Reference_B8_High	static	uint8	Striping correction methodology flag, relative to band average or reference detector, Band 8 , high gain Valid format: N where N = 0 (band average), or N = 1 (reference detector)	Yes	Yes	post-launch
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B1_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 1, low gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B2_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 2, low gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B3_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 3, low gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B4_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 4, low gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B5_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 5, low gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B6_Low	dynamic	float32 array 8 values	Standard deviation of the shutter region data for each detector of band 6, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B7_Low	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 7, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B8_Low	dynamic	float32 array 32 values	Standard deviation of the shutter region data for each detector of band 8, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B1_high	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 1, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram	Detector_Noise_Level_B2_high	dynamic	float32	Standard deviation of the shutter region data	No	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Detector_Noise			array 16 values	for each detector of band 2, high gain Valid format: NN.NNNN where NN.NNNN = TBS			
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B3_high	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 3, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B4_high	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 4, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B5_high	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 5, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B6_high	dynamic	float32 array 8 values	Standard deviation of the shutter region data for each detector of band 6, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B7_high	dynamic	float32 array 16 values	Standard deviation of the shutter region data for each detector of band 7, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Detector_Noise	Detector_Noise_Level_B8_high	dynamic	float32 array 32 values	Standard deviation of the shutter region data for each detector of band 8, high gain Valid format: NN.NNNN where NN.NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B1	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 1 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B2	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 2 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B3	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 3 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B4	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 4 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B5	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 5 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram	Reference_Detector_B6	dynamic	uint8	Detector used as a reference when computing relative	Yes	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Reference_Detectors				detector gains and biases (least noisy), band 6 Valid format: NN, where NN = TBS			
Group: Histogram Object: Reference_Detectors	Reference_Detector_B7	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 7 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Reference_Detectors	Reference_Detector_B8	dynamic	uint8	Detector used as a reference when computing relative detector gains and biases (least noisy), band 8 Valid format: NN, where NN = TBS	Yes	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B1	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 1 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B2	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 2 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B3	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 3 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B4	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 4 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B5	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 5 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B6	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 6 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B7	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 7 Valid format: NNNNN, where NNNNN = TBS	No	Yes	IAS
Group: Histogram Object: Saturation_Thresholds	Saturation_Bin_Threshold_B8	dynamic	uint16	Number of pixels that a bin must have to be tested as a saturation bin. Band 8 Valid format: NN, where NNNN = TBS	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B1	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 1. Valid format N, where N = 2(default)	No	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B2	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 2. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B3	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 3. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B4	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 4. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B5	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 5. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B6	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 6. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B7	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 7. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Number_B8	dynamic	uint8	Bins adjacent to the possible saturation bin that must have fewer pixels than the "adjacent bin threshold" to declare the possible bin as the saturation bin, band 8. Valid format N, where N = 2(default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B1	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 1 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B2	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 2 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B3	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 3 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B4	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 4 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B5	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 5 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B6	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 6 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B7	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 7 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Adjacent_Bins	Adjacent_Bin_Threshold_B8	dynamic	uint8	Number of adjacent bin pixels that cannot be exceeded for the band 8 candidate saturation bin to be the valid saturation bin. Valid Format: NN where NN = 10 (default)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B1	dynamic	uint8	Leftmost pixel in the window to be tested, band 1 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B2	dynamic	uint8	Leftmost pixel in the window to be tested, band 2 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B3	dynamic	uint8	Leftmost pixel in the window to be tested, band 3 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B4	dynamic	uint8	Leftmost pixel in the window to be tested, band 4 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B5	dynamic	uint8	Leftmost pixel in the window to be tested, band 5 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B6	dynamic	uint8	Leftmost pixel in the window to be tested, band 6 Valid format: NNN where NNN = (TBS)	No	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Histogram Object: Starting_Pixel	Start_pixel_B7	dynamic	uint8	Leftmost pixel in the window to be tested, band 7 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Starting_Pixel	Start_pixel_B8	dynamic	uint8	Leftmost pixel in the window to be tested, band 8 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B1	dynamic	uint8	Width of the window, in pixels, to be tested, band 1 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B2	dynamic	uint8	Width of the window, in pixels, to be tested, band 2 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B3	dynamic	uint8	Width of the window, in pixels, to be tested, band 3 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B4	dynamic	uint8	Width of the window, in pixels, to be tested, band 4 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B5	dynamic	uint8	Width of the window, in pixels, to be tested, band 5 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B6	dynamic	uint8	Width of the window, in pixels, to be tested, band 6 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B7	dynamic	uint8	Width of the window, in pixels, to be tested, band 7 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Width	Window_Samples_B8	dynamic	uint8	Width of the window, in pixels, to be tested, band 8 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B1	dynamic	uint8	Number of scans in the window to be tested, band 1 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B2	dynamic	uint8	Number of scans in the window to be tested, band 2 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B3	dynamic	uint8	Number of scans in the window to be tested, band 3 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B4	dynamic	uint8	Number of scans in the window to be tested, band 4 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B5	dynamic	uint8	Number of scans in the window to be tested, band 5 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B6	dynamic	uint8	Number of scans in the window to be tested, band 6 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B7	dynamic	uint8	Number of scans in the window to be tested, band 7 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Window_Length	Window_Scans_B8	dynamic	uint8	Number of scans in the window to be tested, band 8 Valid format: NNN where NNN = (TBS)	No	Yes	IAS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B1	dynamic	uint8	Number of overlapping scans between windows to be tested, band 1 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B2	dynamic	uint8	Number of overlapping scans between windows to be tested, band 2 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B3	dynamic	uint8	Number of overlapping scans between windows to be tested, band 3 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B4	dynamic	uint8	Number of overlapping scans between windows to be tested, band 4 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B5	dynamic	uint8	Number of overlapping scans between windows to be tested, band 5 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B6	dynamic	uint8	Number of overlapping scans between windows to be tested, band 6 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B7	dynamic	uint8	Number of overlapping scans between windows to be tested, band 7 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Histogram Object: Overlapping_Scans	Overlap_Scans_B8	dynamic	uint8	Number of overlapping scans between windows to be tested, band 8 Valid format: NNN where NNN = (TBS)	No	Yes	IAS
Group: Impulse_Noise	Median_Filter_Width	Static	uint8	Width of the median filter. Format = N, where N = 2	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B1L__Standard_Deviation	Dynamic	float32 array 16 values	Band 1 low gain random noise standard deviation Format NN.NNNNNNNN where NN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B2L__Standard_Deviation	Dynamic	float32 array 16 values	Band 2 low gain random noise standard deviation Format NN.NNNNNNNN where NN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B3L__Standard_Deviation	Dynamic	float32 array 16 values	Band 3 low gain random noise standard deviation Format NN.NNNNNNNN where NN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise	B4L__Standard_Deviation	Dynamic	float32	Band 4 low gain random noise standard deviation	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: IN_Standard_Deviation			array 16 values	Format NN.NNNNNNN where NN.NNNNNNN = TBS			
Group: Impulse_Noise Object: IN_Standard_Deviation	B5L__Standard_Deviation	Dynamic	float32 array 16 values	Band 5 low gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B6L__Standard_Deviation	Dynamic	float32 array 8 values	Band 6 low gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B7L__Standard_Deviation	Dynamic	float32 array 16 values	Band 7 low gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B8L__Standard_Deviation	Dynamic	float32 array 32 values	Band 8 low gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B1H__Standard_Deviation	Dynamic	float32 array 16 values	Band 1 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B2H__Standard_Deviation	Dynamic	float32 array 16 values	Band 2 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B3H__Standard_Deviation	Dynamic	float32 array 16 values	Band 3 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B4H__Standard_Deviation	Dynamic	float32 array 16 values	Band 4 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B5H__Standard_Deviation	Dynamic	float32 array 16 values	Band 5 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B6H__Standard_Deviation	Dynamic	float32 array 8 values	Band 6 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Standard_Deviation	B7H__Standard_Deviation	Dynamic	float32 array 16 values	Band 7 high gain random noise standard deviation Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise	B8H__Standard_Deviation	Dynamic	float32	Band 8 high gain random noise standard deviation	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: IN_Standard_Deviation			array 32 values	Format NN.NNNNNNN where NN.NNNNNNN = TBS			
Group: Impulse_Noise Object: IN_Threshold	B1L__Threshold	Dynamic	float32 array 16 values	Band 1 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B2L__Threshold	Dynamic	float32 array 16 values	Band 2 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B3L__Threshold	Dynamic	float32 array 16 values	Band 3 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B4L__Threshold	Dynamic	float32 array 16 values	Band 4 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B5L__Threshold	Dynamic	float32 array 16 values	Band 5 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B6L__Threshold	Dynamic	float32 array 8 values	Band 6 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B7L__Threshold	Dynamic	float32 array 16 values	Band 7 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B8L__Threshold	Dynamic	float32 array 32 values	Band 8 low gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B1H__Threshold	Dynamic	float32 array 16 values	Band 1 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B2H__Threshold	Dynamic	float32 array 16 values	Band 2 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B3H__Threshold	Dynamic	float32 array 16 values	Band 3 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise	B4H__Threshold	Dynamic	float32	Band 4 high gain noise threshold.	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: IN_Threshold			array 16 values	Format NN.NNNNNNN where NN.NNNNNNN = TBS			
Group: Impulse_Noise Object: IN_Threshold	B5H__Threshold	Dynamic	float32 array 16 values	Band 5 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B6H__Threshold	Dynamic	float32 array 8 values	Band 6 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B7H__Threshold	Dynamic	float32 array 16 values	Band 7 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Impulse_Noise Object: IN_Threshold	B8H__Threshold	Dynamic	float32 array 32 values	Band 8 high gain noise threshold. Format NN.NNNNNNN where NN.NNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	Frequency_Components	Dynamic	uint8	Number of frequency components derived during waveform analysis for coherent noise correction. Format NN where NN = 10	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B1_Frequency_Mean	Dynamic	float32 array 10 values	Band 1 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B2_Frequency_Mean	Dynamic	float32 array 10 values	Band 2 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B3_Frequency_Mean	Dynamic	float32 array 10 values	Band 3 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B4_Frequency_Mean	Dynamic	float32 array 10 values	Band 4 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B5_Frequency_Mean	Dynamic	float32 array 10 values	Band 5 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B6_Frequency_Mean	Dynamic	float32 array 10 values	Band 6 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B7_Frequency_Mean	Dynamic	float32	Band 7 frequency means measured in			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Frequency_Means			array 10 values	inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Means	B8_Frequency_Mean	Dynamic	float32 array 10 values	Band 8 frequency means measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B1_Frequency_Sigma	Dynamic	float32 array 10 values	Band 1 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B2_Frequency_Sigma	Dynamic	float32 array 10 values	Band 2 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B3_Frequency_Sigma	Dynamic	float32 array 10 values	Band 3 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B4_Frequency_Sigma	Dynamic	float32 array 10 values	Band 4 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B5_Frequency_Sigma	Dynamic	float32 array 10 values	Band 5 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B6_Frequency_Sigma	Dynamic	float32 array 10 values	Band 6 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B7_Frequency_Sigma	Dynamic	float32 array 10 values	Band 7 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Sigma	B8_Frequency_Sigma	Dynamic	float32 array 10 values	Band 8 frequency sigmas measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B1_Frequency_Min	Dynamic	float32 array 10 values	Band 1 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B2_Frequency_Min	Dynamic	float32 array 10 values	Band 2 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B3_Frequency_Min	Dynamic	float32	Band 3 frequency minimums measured in			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Frequency_Minimums			array 10 values	inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B4_Frequency_Min	Dynamic	float32 array 10 values	Band 4 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B5_Frequency_Min	Dynamic	float32 array 10 values	Band 5 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B6_Frequency_Min	Dynamic	float32 array 10 values	Band 6 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B7_Frequency_Min	Dynamic	float32 array 10 values	Band 7 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Minimums	B8_Frequency_Min	Dynamic	float32 array 10 values	Band 8 frequency minimums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B1_Frequency_Max	Dynamic	float32 array 10 values	Band 1 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B2_Frequency_Max	Dynamic	float32 array 10 values	Band 2 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B3_Frequency_Max	Dynamic	float32 array 10 values	Band 3 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B4_Frequency_Max	Dynamic	float32 array 10 values	Band 4 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B5_Frequency_Max	Dynamic	float32 array 10 values	Band 5 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B6_Frequency_Max	Dynamic	float32 array 10 values	Band 6 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B7_Frequency_Max	Dynamic	float32	Band 7 frequency maximums measured in			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Frequency_Maximums			array 10 values	inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Frequency_Maximums	B8_Frequency_Max	Dynamic	float32 array 10 values	Band 8 frequency maximums measured in inverse minor frames. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B1_Phase_Mean	Dynamic	float32 array 10 values	Band 1 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B2_Phase_Mean	Dynamic	float32 array 10 values	Band 2 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B3_Phase_Mean	Dynamic	float32 array 10 values	Band 3 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B4_Phase_Mean	Dynamic	float32 array 10 values	Band 4 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B5_Phase_Mean	Dynamic	float32 array 10 values	Band 5 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B6_Phase_Mean	Dynamic	float32 array 10 values	Band 6 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B7_Phase_Mean	Dynamic	float32 array 10 values	Band 7 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Means	B8_Phase_Mean	Dynamic	float32 array 10 values	Band 8 phase means measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B1_Phase_Sigma	Dynamic	float32 array 10 values	Band 1 phase sigmas measured in radians. . Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B2_Phase_Sigma	Dynamic	float32 array 10 values	Band 2 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B3_Phase_Sigma	Dynamic	float32	Band 3 phase sigmas measured in radians.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Phase_Sigma			array 10 values	Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B4_Phase_Sigma	Dynamic	float32 array 10 values	Band 4 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B5_Phase_Sigma	Dynamic	float32 array 10 values	Band 5 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B6_Phase_Sigma	Dynamic	float32 array 10 values	Band 6 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B7_Phase_Sigma	Dynamic	float32 array 10 values	Band 7 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Sigma	B8_Phase_Sigma	Dynamic	float32 array 10 values	Band 8 phase sigmas measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B1_Phase_Min	Dynamic	float32 array 10 values	Band 1 phase minimums measured in radians. . Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B2_Phase_Min	Dynamic	float32 array 10 values	Band 2 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B3_Phase_Min	Dynamic	float32 array 10 values	Band 3 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B4_Phase_Min	Dynamic	float32 array 10 values	Band 4 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B5_Phase_Min	Dynamic	float32 array 10 values	Band 5 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B6_Phase_Min	Dynamic	float32 array 10 values	Band 6 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B7_Phase_Min	Dynamic	float32	Band 7 phase minimums measured in radians.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Phase_Minimums			array 10 values	Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Minimums	B8_Phase_Min	Dynamic	float32 array 10 values	Band 8 phase minimums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B1_Phase_Max	Dynamic	float32 array 10 values	Band 1 phase maximums measured in radians. . Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B2_Phase_Max	Dynamic	float32 array 10 values	Band 2 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B3_Phase_Max	Dynamic	float32 array 10 values	Band 3 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B4_Phase_Max	Dynamic	float32 array 10 values	Band 4 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B5_Phase_Max	Dynamic	float32 array 10 values	Band 5 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B6_Phase_Max	Dynamic	float32 array 10 values	Band 6 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B7_Phase_Max	Dynamic	float32 array 10 values	Band 7 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Phase_Maximums	B8_Phase_Max	Dynamic	float32 array 10 values	Band 8 phase maximums measured in radians. Format = .NNNNNNNN where .NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B1_Magnitude_Mean	Dynamic	float32 array 10 values	Band 1 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B2_Magnitude_Mean	Dynamic	float32 array 10 values	Band 2 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B3_Magnitude_Mean	Dynamic	float32	Band 3 magnitudes means measured in DNs.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Magnitude_Means			array 10 values	Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B4_Magnitude_Mean	Dynamic	float32 array 10 values	Band 4 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B5_Magnitude_Mean	Dynamic	float32 array 10 values	Band 5 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B6_Magnitude_Mean	Dynamic	float32 array 10 values	Band 6 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B7_Magnitude_Mean	Dynamic	float32 array 10 values	Band 7 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Means	B8_Magnitude_Mean	Dynamic	float32 array 10 values	Band 8 magnitudes means measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B1_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 1 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B2_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 2 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B3_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 3 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B4_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 4 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B5_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 5 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B6_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 6 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B7_Magnitude_Sigma	Dynamic	float32	Band 7 magnitudes sigmas measured in DNs.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Magnitude_Sigma			array 10 values	Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Sigma	B8_Magnitude_Sigma	Dynamic	float32 array 10 values	Band 8 magnitudes sigmas measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B1_Magnitude_Min	Dynamic	float32 array 10 values	Band 1 magnitudes minimums measured in DNs. . Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B2_Magnitude_Min	Dynamic	float32 array 10 values	Band 2 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B3_Magnitude_Min	Dynamic	float32 array 10 values	Band 3 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B4_Magnitude_Min	Dynamic	float32 array 10 values	Band 4 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B5_Magnitude_Min	Dynamic	float32 array 10 values	Band 5 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B6_Magnitude_Min	Dynamic	float32 array 10 values	Band 6 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B7_Magnitude_Min	Dynamic	float32 array 10 values	Band 7 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Minimums	B8_Magnitude_Min	Dynamic	float32 array 10 values	Band 8 magnitudes minimums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B1_Magnitude_Max	Dynamic	float32 array 10 values	Band 1 magnitudes maximums measured in DNs. . Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B2_Magnitude_Max	Dynamic	float32 array 10 values	Band 2 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise	B3_Magnitude_Max	Dynamic	float32	Band 3 magnitudes maximums measured in DNs.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Magnitude_Maximums			array 10 values	Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B4_Magnitude_Max	Dynamic	float32 array 10 values	Band 4 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B5_Magnitude_Max	Dynamic	float32 array 10 values	Band 5 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B6_Magnitude_Max	Dynamic	float32 array 10 values	Band 6 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B7_Magnitude_Max	Dynamic	float32 array 10 values	Band 7 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Coherent_Noise Object: Magnitude_Maximums	B8_Magnitude_Max	Dynamic	float32 array 10 values	Band 8 magnitudes maximums measured in DNs. Format = NNN.NNNNNNNN where NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B1_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 1, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B2_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 2, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B3_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 3, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B4_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 4, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B5_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 5, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B6_low	dynamic	uint8 array 8 values	The digital count at which the analog to digital converter saturates at the high end. Band 6, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation	High_AD_Level_B7_low	dynamic	uint8	The digital count at which the analog to digital	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: AD_Converter_Saturation			array 16 values	converter saturates at the high end. Band 7, low gain Valid format: NNN where NNN = 255 (default)			
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B8_low	dynamic	uint8 array 32 values	The digital count at which the analog to digital converter saturates at the high end. Band 8, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B1_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 1, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B2_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 2, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B3_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 3, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B4_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 4, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B5_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 5, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B6_low	dynamic	uint8 array 8 values	The digital count at which the analog to digital converter saturates at the low end. Band 6, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B7_low	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 7, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B8_low	dynamic	uint8 array 32 values	The digital count at which the analog to digital converter saturates at the low end. Band 8, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B1_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 1, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B2_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 2, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation	High_AD_Level_B3_high	dynamic	uint8	The digital count at which the analog to digital	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: AD_Converter_Saturation			array 16 values	converter saturates at the high end. Band 3, high gain Valid format: NNN where NNN = 255 (default)			
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B4_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 4, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B5_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 5, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B6_high	dynamic	uint8 array 8 values	The digital count at which the analog to digital converter saturates at the high end. Band 6, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B7_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the high end. Band 7, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	High_AD_Level_B8_high	dynamic	uint8 array 32 values	The digital count at which the analog to digital converter saturates at the high end. Band 8, gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B1_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 1, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B2_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 2, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B3_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 3, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B4_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 4, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B5_high	dynamic	uint8 array 16 values	The digital count at which the analog to digital converter saturates at the low end. Band 5, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B6_high	dynamic	uint8 array 8 values	The digital count at which the analog to digital converter saturates at the low end. Band 6, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B7_high	dynamic	uint8	The digital count at which the analog to digital	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: AD_Converter_Saturation			array 16 values	converter saturates at the low end. Band 7, high gain Valid format: NNN where NNN = 255 (default)			
Group: Detector_Saturation Object: AD_Converter_Saturation	Low_AD_Level_B8_high	dynamic	uint8 array 32 values	The digital count at which the analog to digital converter saturates at the low end. Band 8, gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B1_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 1, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B2_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 2, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B3_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 3, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B4_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 4, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B5_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 5, low gain. Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B6_low	dynamic	uint8 array 8 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 6, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B7_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 7, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B8_low	dynamic	uint8 array 32 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 8, low gain	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid format: NNN where NNN = 255 (default)			
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B1_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 1, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B2_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 2, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B3_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 3, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B4_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 4, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B5_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 5, low gain. Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B6_low	dynamic	uint8 array 8 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 6, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B7_low	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 7, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B8_low	dynamic	uint8 array 32 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 8, low gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B1_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 1, high gain	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid format: NNN where NNN = 255 (default)			
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B2_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 2, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B3_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 3, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B4_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 4, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B5_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 5, high gain. Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B6_high	dynamic	uint8 array 8 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 6, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B7_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 7, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	High_Analog_Level_B8_high	dynamic	uint8 array 32 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the high end. Band 8, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B1_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 1, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B2_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 2, high gain	Yes	Yes	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B3_high	dynamic	uint8 array 16 values	Valid format: NNN where NNN = 255 (default) Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 3, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B4_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 4, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B5_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 5, high gain. Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B6_high	dynamic	uint8 array 8 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 6, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B7_high	dynamic	uint8 array 16 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 7, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Detector_Saturation Object: Analog_Signal_Saturation	Low_Analog_Level_B8_high	dynamic	uint8 array 32 values	Digital count corresponding to the signal level at which the analog portion of the signal chain saturates at the low end. Band 8, high gain Valid format: NNN where NNN = 255 (default)	Yes	Yes	SBRS
Group: Reference_Temperatures Object: Reference_Low	B1L_RTemp_Prelaunch	Static	float64	Band 1 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Group: Reference_Temperatures Object: Reference_Low	B1L_RTemp_Postlaunch	Static	float64	Band 1 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS			No
Group: Reference_Temperatures Object: Reference_Low	B1L_RTemp_Current	Dynamic	float64	Band 1 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Group: Reference_Temperatures	B2L_RTemp_Prelaunch	Static	float64	Band 2 prelaunch low gain calibration reference temperature in degrees centigrade	No	Yes	AC02 Telemetry

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Reference_Low				Format NNN.NNN where NNN.NNN = TBS			
Group: Reference_Temperatures	B2L_RTemp_Postlaunch	Static	float64	Band 2 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B2L_RTemp_Current	Dynamic	float64	Band 2 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B3L_RTemp_Prelaunch	Static	float64	Band 3 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B3L_RTemp_Postlaunch	Static	float64	Band 3 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B3L_RTemp_Current	Dynamic	float64	Band 3 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B4L_RTemp_Prelaunch	Static	float64	Band 4 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B4L_RTemp_Postlaunch	Static	float64	Band 4 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B4L_RTemp_Current	Dynamic	float64	Band 4 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B5L_RTemp_Prelaunch	Static	float64	Band 5 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B5L_RTemp_Postlaunch	Static	float64	Band 5 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B5L_RTemp_Current	Dynamic	float64	Band 5 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B6L_RTemp_Prelaunch	Static	float64	Band 6 prelaunch low gain calibration reference temperature in degrees centigrade	No	Yes	BL10 in Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Reference_Low				Format NNN.NNN where NNN.NNN = TBS			
Group: Reference_Temperatures	B6L_RTemp_Postlaunch	Static	float64	Band 6 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B6L_RTemp_Current	Dynamic	float64	Band 6 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	BL10 in Thermal Vacuum
Object: Reference_Low							
Group: Reference_Temperatures	B7L_RTemp_Prelaunch	Static	float64	Band 7 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B7L_RTemp_Postlaunch	Static	float64	Band 7 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B7L_RTemp_Current	Dynamic	float64	Band 7 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B8L_RTemp_Prelaunch	Static	float64	Band 8 prelaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B8L_RTemp_Postlaunch	Static	float64	Band 8 postlaunch low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_Low							
Group: Reference_Temperatures	B8L_RTemp_Current	Dynamic	float64	Band 8 current low gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_Low							
Group: Reference_Temperatures	B1H_RTemp_Prelaunch	Static	float64	Band 1 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B1H_RTemp_Postlaunch	Static	float64	Band 1 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B1H_RTemp_Current	Dynamic	float64	Band 1 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B2H_RTemp_Prelaunch	Static	float64	Band 2 prelaunch high gain calibration reference temperature in degrees centigrade	No	Yes	AC02 Telemetry

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Reference_High				Format NNN.NNN where NNN.NNN = TBS			
Group: Reference_Temperatures	B2H_RTemp_Postlaunch	Static	float64	Band 2 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B2H_RTemp_Current	Dynamic	float64	Band 2 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B3H_RTemp_Prelaunch	Static	float64	Band 3 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B3H_RTemp_Postlaunch	Static	float64	Band 3 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B3H_RTemp_Current	Dynamic	float64	Band 3 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B4H_RTemp_Prelaunch	Static	float64	Band 4 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B4H_RTemp_Postlaunch	Static	float64	Band 4 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B4H_RTemp_Current	Dynamic	float64	Band 4 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B5H_RTemp_Prelaunch	Static	float64	Band 5 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B5H_RTemp_Postlaunch	Static	float64	Band 5 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B5H_RTemp_Current	Dynamic	float64	Band 5 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B6H_RTemp_Prelaunch	Static	float64	Band 6 prelaunch high gain calibration reference temperature in degrees centigrade	No	Yes	AC02 Telemetry
Object: Reference_High							

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Reference_High				Format NNN.NNN where NNN.NNN = TBS			
Group: Reference_Temperatures	B6H_RTemp_Postlaunch	Static	float64	Band 6 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B6H_RTemp_Current	Dynamic	float64	Band 6 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B7H_RTemp_Prelaunch	Static	float64	Band 7 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B7H_RTemp_Postlaunch	Static	float64	Band 7 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B7H_RTemp_Current	Dynamic	float64	Band 7 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B8H_RTemp_Prelaunch	Static	float64	Band 8 prelaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Reference_Temperatures	B8H_RTemp_Postlaunch	Static	float64	Band 8 postlaunch high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Object: Reference_High							
Group: Reference_Temperatures	B8H_RTemp_Current	Dynamic	float64	Band 8 current high gain calibration reference temperature in degrees centigrade Format NNN.NNN where NNN.NNN = TBS	No	Yes	AC02 Telemetry
Object: Reference_High							
Group: Sensitivity_Temperatures	B1L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 1 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Object: Sensitivity_Low							
Group: Sensitivity_Temperatures	B1L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 1 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Object: Sensitivity_Low							
Group: Sensitivity_Temperatures	B1L_SCoeff_Current	Dynamic	float64 array 16 values	Band 1 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum
Object: Sensitivity_Low							

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B2L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 2 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B2L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 2 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B2L_SCoeff_Current	Dynamic	float64 array 16 values	Band 2 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B3L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 3 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B3L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 3 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B3L_SCoeff_Current	Dynamic	float64 array 16 values	Band 3 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B4L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 4 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B4L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 4 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B4L_SCoeff_Current	Dynamic	float64 array 16 values	Band 4 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B5L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 5 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B5L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 5 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B5L_SCoeff_Current	Dynamic	float64 array 16 values	Band 5 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeff_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeff_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeff_Current	Dynamic	float64 array 8 values	Band 6 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeffOff_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeffOff_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B6L_SCoeffOff_Current	Dynamic	float64 array 8 values	Band 6 current offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B7L_SCoeff_Prelaunch	Static	float64 array 16 values	Band 7 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B7L_SCoeff_Postlaunch	Static	float64 array 16 values	Band 7 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B7L_SCoeff_Current	Dynamic	float64 array 16 values	Band 7 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B8L_SCoeff_Prelaunch	Static	float64 array 32 values	Band 8 prelaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B8L_SCoeff_Postlaunch	Static	float64 array 32 values	Band 8 postlaunch low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_Low	B8L_SCoeff_Current	Dynamic	float64 array 32 values	Band 8 current low gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B1H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 1 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B1H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 1 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B1H_SCoeff_Current	Dynamic	float64 array 16 values	Band 1 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_High	B2H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 2 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B2H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 2 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B2H_SCoeff_Current	Dynamic	float64 array 16 values	Band 2 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B3H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 3 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B3H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 3 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B3H_SCoeff_Current	Dynamic	float64 array 16 values	Band 3 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B4H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 4 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B4H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 4 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B4H_SCoeff_Current	Dynamic	float64 array 16 values	Band 4 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_High	B5H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 5 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B5H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 5 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B5H_SCoeff_Current	Dynamic	float64 array 16 values	Band 5 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeff_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeff_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeff_Current	Dynamic	float64 array 8 values	Band 6 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeffOff_Prelaunch	Static	float64 array 8 values	Band 6 prelaunch offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeffOff_Postlaunch	Static	float64 array 8 values	Band 6 postlaunch offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B6H_SCoeffOff_Current	Dynamic	float64 array 8 values	Band 6 current offset calibration temperature sensitivity coefficient. Valid format: NNN.NNNN	No	Yes	Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNNN = TBS			
Group: Sensitivity_Temperatures Object: Sensitivity_High	B7H_SCoeff_Prelaunch	Static	float64 array 16 values	Band 7 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B7H_SCoeff_Postlaunch	Static	float64 array 16 values	Band 7 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B7H_SCoeff_Current	Dynamic	float64 array 16 values	Band 7 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B8H_SCoeff_Prelaunch	Static	float64 array 32 values	Band 8 prelaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Sensitivity_Temperatures Object: Sensitivity_High	B8H_SCoeff_Postlaunch	Static	float64 array 32 values	Band 8 postlaunch high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Sensitivity_Temperatures Object: Sensitivity_High	B8H_SCoeff_Current	Dynamic	float64 array 32 values	Band 8 current high gain calibration temperature sensitivity coefficient. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Thermal Vacuum
Group: Lamp_Radiance Object: Trending_Coeffs	Lamp1_Coeffs		float32 array 2 values	Time since launch coefficients for Lamp 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Lamp_Radiance Object: Trending_Coeffs	Lamp2_Coeffs		float32 array 2 values	Time since launch coefficients for Lamp 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State1_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State1_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State1_Current	Dynamic	float32	Band1 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State2_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State2_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State2_Current	Dynamic	float32	Band1 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State3_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B1L_Rad_State3_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance	B1L_Rad_State3_Current	Dynamic	float32	Band1 current internal calibrator lamp effective			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Lamp_Radiance_Low				spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State1_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State1_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State1_Current	Dynamic	float32	Band2 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State2_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State2_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State2_Current	Dynamic	float32	Band2 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State3_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Lamp_Radiance_Low				State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State3_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B2L_Rad_State3_Current	Dynamic	float32	Band2 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State1_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State1_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State1_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State2_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State2_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode.	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid Format: NNN.NNN where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State2_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State3_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State3_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B3L_Rad_State3_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State1_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State1_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State1_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State2_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State2_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State2_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State3_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State3_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B4L_Rad_State3_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State1_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State1_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State1_Current	Dynamic	float32	Band5 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State2_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State2_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State2_Current	Dynamic	float32	Band5 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State3_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B5L_Rad_State3_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance	B5L_Rad_State3_Current	Dynamic	float32	Band5 current internal calibrator lamp effective			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Lamp_Radiance_Low				spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State1_Prelaunch	Static	float32	Band7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State1_Postlaunch	Static	float32	Band7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State1_Current	Dynamic	float32	Band7 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State2_Prelaunch	Static	float32	Band7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State2_Postlaunch	Static	float32	Band7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State2_Current	Dynamic	float32	Band7 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object:	B7L_Rad_State3_Prelaunch	Static	float32	Band7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Lamp_Radiance_Low				State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State3_Postlaunch	Static	float32	Band7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B7L_Rad_State3_Current	Dynamic	float32	Band7 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State1_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State1_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State1_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State2_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State2_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode.	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid Format: NNN.NNN where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State2_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State3_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State3_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_Low	B8L_Rad_State3_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. Low gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State1_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State1_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State1_Current	Dynamic	float32	Band1 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 off. High gain mode. Valid Format: NNN.NNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State2_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State2_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State2_Current	Dynamic	float32	Band1 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State3_Prelaunch	Static	float32	Band1 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State3_Postlaunch	Static	float32	Band1 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B1H_Rad_State3_Current	Dynamic	float32	Band1 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State1_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State1_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State1_Current	Dynamic	float32	Band2 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State2_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State2_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State2_Current	Dynamic	float32	Band2 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State3_Prelaunch	Static	float32	Band2 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B2H_Rad_State3_Postlaunch	Static	float32	Band2 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance	B2H_Rad_State3_Current	Dynamic	float32	Band2 current internal calibrator lamp effective			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Lamp_Radiance_High				spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State1_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State1_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State1_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State2_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State2_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State2_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object:	B3H_Rad_State3_Prelaunch	Static	float32	Band3 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Lamp_Radiance_High				State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State3_Postlaunch	Static	float32	Band3 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B3H_Rad_State3_Current	Dynamic	float32	Band3 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State1_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State1_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State1_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State2_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State2_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode.	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				Valid Format: NNN.NNN where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State2_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State3_Prelaunch	Static	float32	Band4 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State3_Postlaunch	Static	float32	Band4 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B4H_Rad_State3_Current	Dynamic	float32	Band4 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State1_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State1_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State1_Current	Dynamic	float32	Band5 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
				where NNN.NNN = TBS			
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State2_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State2_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State2_Current	Dynamic	float32	Band5 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State3_Prelaunch	Static	float32	Band5 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State3_Postlaunch	Static	float32	Band5 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B5H_Rad_State3_Current	Dynamic	float32	Band5 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State1_Prelaunch	Static	float32	Band 7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State1_Postlaunch	Static	float32	Band 7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State1_Current	Dynamic	float32	Band 7 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State2_Prelaunch	Static	float32	Band 7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State2_Postlaunch	Static	float32	Band 7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State2_Current	Dynamic	float32	Band 7 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State3_Prelaunch	Static	float32	Band 7 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B7H_Rad_State3_Postlaunch	Static	float32	Band 7 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance	B7H_Rad_State3_Current	Dynamic	float32	Band 7 current internal calibrator lamp effective			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Object: Lamp_Radiance_High				spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State1_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State1_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State1_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 1 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State2_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State2_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State2_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 2 - lamp 1 off, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object:	B8H_Rad_State3_Prelaunch	Static	float32	Band 8 prelaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm.			

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Lamp_Radiance_High				State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State3_Postlaunch	Static	float32	Band 8 postlaunch internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	Post-launch
Group: Lamp_Radiance Object: Lamp_Radiance_High	B8H_Rad_State3_Current	Dynamic	float32	Band 8 current internal calibrator lamp effective spectral radiance in W/m^2-ster-μm. State 3 - lamp 1 on, lamp 2 on. High gain mode. Valid Format: NNN.NNN where NNN.NNN = TBS	No	Yes	AC02/AC48
Group: Lamp_Reference Object: Lamp_Reference_Low	B1L_Lmp_Rtemp_Prelaunch	Static	float32 array (10 values)	Band 1 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B1L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 1 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B1L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 1 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B2L_Lmp_Rtemp_Prelaunch	Static	float32 array (10 values)	Band 2 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B2L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 2 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B2L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 2 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Reference Object: Lamp_Reference_Low	B3L_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 3 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B3L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 3 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B3L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 3 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B4L_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 4 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B4L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 4 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B4L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 4 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B5L_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 5 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B5L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 5 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B5L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 5 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Reference Object: Lamp_Reference_Low	B7L_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 7 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B7L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 7 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B7L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 7 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B8L_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 8 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_Low	B8L_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 8 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_Low	B8L_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 8 current internal calibrator lamp radiance reference temperature in degrees (C). Low gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B1H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 1 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B1H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 1 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B1H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 1 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Reference Object: Lamp_Reference_High	B2H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 2 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B2H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 2 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B2H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 2 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B3H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 3 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B3H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 3 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B3H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 3 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B4H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 4 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B4H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 4 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B4H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 4 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Lamp_Reference Object: Lamp_Reference_High	B5H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 5 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B5H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 5 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B5H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 5 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B7H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 7 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B7H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 7 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B7H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 7 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B8H_Lmp_Rtemp_PreLaunch	Static	float32 array (10 values)	Band 8 prelaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	No	Null
Group: Lamp_Reference Object: Lamp_Reference_High	B8H_Lmp_Rtemp_Postlaunch	Static	float32 array (10 values)	Band 8 postlaunch internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data
Group: Lamp_Reference Object: Lamp_Reference_High	B8H_Lmp_Rtemp_Current	Dynamic	float32 array (10 values)	Band 8 current internal calibrator lamp radiance reference temperature in degrees (C). High gain. Valid format: NNN.NNN where NNN.NNN = TBD	No	Yes	LPSO Analysis of 0R Data

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B1L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 1 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B1L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 1 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B1L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 1 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B2L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 2 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B2L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 2 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B2L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 2 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B3L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 3 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B3L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 3 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B3L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 3 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B4L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 4 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B4L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 4 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B4L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 4 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B5L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 5 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B5L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 5 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B5L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 5 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B7L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 7 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B7L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 7 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B7L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 7 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B8L_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 8 prelaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B8L_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 8 postlaunch low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_Low	B8L_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 8 current low gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B1H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 1 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B1H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 1 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B1H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 1 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B2H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 2 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B2H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 2 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B2H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 2 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B3H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 3 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B3H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 3 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B3H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 3 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B4H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 4 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B4H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 4 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B4H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 4 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B5H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 5 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B5H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 5 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B5H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 5 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNN where NNN.NNNN = TBS	No	Yes	Post-launch

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B7H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 7 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B7H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 7 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B7H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 7 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B8H_Rad_Temp_SCoeff_Prelaunch	Static	float64 array (14 values)	Band 8 prelaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	No	Null
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B8H_Rad_Temp_SCoeff_Postlaunch	Static	float64 array (14 values)	Band 8 postlaunch high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	Yes	Post-launch
Group: Radiance_Sensitivity Object: Radiance_Sensitivity_High	B8H_Rad_Temp_SCoeff_Current	Dynamic	float64 array (14 values)	Band 8 current high gain radiance sensitivity coefficients. Valid format: NNN.NNNNN where NNN.NNNNN = TBS	No	Yes	Post-launch
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B1L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 1, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B2L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 2, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B3L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 3, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B4L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 4, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B5L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 5, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B7L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 7, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_Low	B8L_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 8, low gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B1H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 1, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B2H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 2, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B3H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 3, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B4H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 4, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B5H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 5, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B7H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 7, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector1	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector2	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector3	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector4	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector5	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector6	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector7	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector8	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector9	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 9 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector10	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 10 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector11	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 11 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector12	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 12 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description		LPS Need	LPGS Need	Pre-Launch Source
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector13	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 13 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector14	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 14 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector15	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 15 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	LPSO
Group: Reflective_IC_Coeffs Object: Reflect_IC_Coeffs_High	B8H_Coefficients_Detector16	Dynamic	float32 array (14 values)	IC coefficients for band 8, high gain, detector 16 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	LPSO
Group: FASC_Parameters	FASC_Reference_Detectors	Dynamic	uint8 array 8 values	FASC algorithm reference detectors, one per band. Format = NN, where NN = TBS		No	No	LPSO
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector1	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 1. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector2	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 2. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector3	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 3. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector4	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 4. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector5	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 5. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector6	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 6. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector7	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 7. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS		No	Yes	Bl10 Thermal Vacuum

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_Low	B6L_Coefficients_Detector8	Static	float64 array 10 values	Internal calibrator coefficients for band 6, low gain, detector 8. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector1	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 1. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector 2	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 2. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector2	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 3. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector4	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 4. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector5	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 5. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector6	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 6. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector7	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 7. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_IC_Coeffs Object: B6_IC_Coeffs_High	B6H_Coefficients_Detector8	Static	float64 array 10 values	Internal calibrator coefficients for band 6, high gain, detector 8. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	Bl10 Thermal Vacuum
Group: B6_View_Coeffs	B6_View_Coefficients_Detector1	Static	float32 array 10 values	View factor coefficients for band 6, detector 1 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector2	Static	float32 array 10 values	View factor coefficients for band 6, detector 2 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector3	Static	float32 array 10 values	View factor coefficients for band 6, detector 3 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: B6_View_Coeffs	B6_View_Coefficients_Detector4	Static	float32 array 10 values	View factor coefficients for band 6, detector 4 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector5	Static	float32 array 10 values	View factor coefficients for band 6, detector 5 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector6	Static	float32 array 10 values	View factor coefficients for band 6, detector 6 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector7	Static	float32 array 10 values	View factor coefficients for band 6, detector 7 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: B6_View_Coeffs	B6_View_Coefficients_Detector8	Static	float32 array 10 values	View factor coefficients for band 6, detector 8 Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	Yes	LPSO
Group: Thermistor_Coeffs	Black_Body_Isolated_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Black_Body_Control_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cold_FP_Control_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cold_FP_Monitor_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cal_Shutter_Flag_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Backup_Shutter_Flag_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Baffle_Heater_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Thermistor_Coeffs	Silicon_FP_Array_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Primary_Mirror_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Primary_Mirror_Mask_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Secondary_Mirror_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Secondary_Mirror_Mask_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Scan_Line_Corrector_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	MEM_Heat_Sink_PS1_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	MEM_Heat_Sink_PS2_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Baffle3_Tube_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Baffle2_Support_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cal_Shutter_Housing_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cal_Shutter_Hub_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Thermistor_Coeffs	Ambient_Preamp_HighCh_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Ambient_Preamp_LowCh_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Postamp_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cold_Preamp_B7_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	MEM_TB1_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Telescop_Baseplate_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Pan_Band_Postamp_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Fill_Patterns	Band_Fill_Pattern	Static	uint8 array 2 values	Fill pattern used by LPS for filling erroneous or missing image data minor frames. Format NNN where NNN = (0, 255) (alternating 0, 255's)	Yes	Yes	LPSO
Group: Engineering_Data	Telemetry_Conversion	Static	float64 array (6 values)	Fifth order coefficients used to convert PCD telemetry values from counts to engineering units. EU = A0+ A1(C)+ A2(C1)+ A3(C3)+ A4(C4)+ A5(C5) Valid format: NNNNN.NNNNNNN where NNNNN.NNNNNNN = TBS	No	No	LMC
Group: Engineering_Data	Position_Conversion	Static	float64	Coefficient used to convert spacecraft position froms counts to engineering units (meters). EU = A1 * C Valid format: N.NESNN where N.NESNN = 2.0E-08	No	No	LMC
Group: Engineering_Data	Velocity_Conversion	Static	float64	coefficient used to convert spacecraft velocity from counts to engineering units. (meters/milliseconds) EU = A1 * C	No	No	LMC

Parameter Group/Object	Parameter Name	Value Type	Data Type	Description	LPS Need	LPGS Need	Pre-Launch Source
Group: Thermistor_Coeffs	Ambient_Preamp_HighCh_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Ambient_Preamp_LowCh_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Postamp_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Cold_Preamp_B7_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	MEM_TB1_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Telescop_Baseplate_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Thermistor_Coeffs	Pan_Band_Postamp_Temp	Static	float32 array (5 values)	Calibration Coefficient for raw data. Valid format: SNNN.NNNNNNNN where S = + or - and NNN.NNNNNNNN = TBS	No	No	SBRS
Group: Fill_Patterns	Band_Fill_Pattern	Static	uint8 array 2 values	Fill pattern used by LPS for filling erroneous or missing image data minor frames. Format NNN where NNN = (0, 255) (alternating 0, 255's)	Yes	Yes	LPSO
Group: Engineering_Data	Telemetry_Conversion	Static	float64 array (6 values)	Fifth order coefficients used to convert PCD telemetry values from counts to engineering units. EU = A0+ A1(C)+ A2(C1)+ A3(C3)+ A4(C4)+ A5(C5) Valid format: NNNNN.NNNNNNN where NNNNN.NNNNNNN = TBS	No	No	LMC
Group: Engineering_Data	Position_Conversion	Static	float64	Coefficient used to convert spacecraft position froms counts to engineering units (meters). EU = A1 * C Valid format: N.NESNN where N.NESNN = 2.0E-08	No	No	LMC
Group: Engineering_Data	Velocity_Conversion	Static	float64	Coefficient used to convert spacecraft velocity from counts to meters/milliseconds (EU = A1 * C) Valid format: N.NESNN where N.NESNN = 2.0E-28	No	No	LMC

8.0 CPF ODL

The ODL syntax employs the following conventions:

- Parameter definition is of the form of Parameter = Value,
- Value can be either a scalar or an array. Array values are enclosed in parentheses and are separated by commas.
- Parameter arrays can and do exist on multiple lines.
- A carriage return <CR> and line feed <LF> ends each line in the file.
- Blank spaces and lines are ignored.
- Each line of comments must begin with the character /* and end with the character */, including comments embedded on the same line as a Parameter definition.
- Quotation marks are required for Values that are text strings, including single characters. The exceptions to this rule are the GROUP , END_GROUP , OBJECT, END_OBJECT Identifiers or Values, which do not use quotation marks. The first two parameters in the file, Effective_Date_Begin and Effective_Date_End also do not have quotations. ODL recognizes dates if they follow prescribed formats.
- Case is not significant, but upper case is used for GROUP and OBJECT names to aid in readability.
- Indentation is not significant, but is used for readability.
- The reserve word END concludes the file.

Unavailable parameters values are denoted by a To Be Supplied (TBS) comment. Most of these will be derived during pre-launch instrument and spacecraft testing and analysis. Formats for TBS numerical parameters are accurate, however, negative signs are not explicitly stated. A data dictionary must be defined that declares each parameter's data type and value range.

8.1 ODL Construct

GROUP = FILE_ATTRIBUTES

Effective_Date_Begin	= YYYY-MM-SS
Effective_Date_End	= YYYY-MM-SS
IAS_CPF_File_Name	= "L7YYYYDDDIASCAL.Vnn"

END_GROUP = FILE_ATTRIBUTES

GROUP = EARTH_CONSTANTS

Ellipsoid_Name	= WGS84
Semi_Major_Axis	= 6378137.000
Semi_Minor_Axis	= 6356752.314
Ellipticity	= 0.003352811
Eccentricity	= 0.006694380
Earth_Spin_Rate	= 72.92115855E-06
Gravity_Constant	= 3.986012E14
J2_Earth_Model_Term	= 1082.64E-06

END_GROUP = EARTH_CONSTANTS

GROUP = ORBIT_PARAMETERS

WRS_Cycle_Days	= 16
WRS_Cycle_Orbits	= 233
Scenes_Per_Orbit	= 248
Orbital_Period	= 5933.0472
Angular_Momentum	= 53.104278E7
Orbit_Radius	= 7083.437
Orbit_Semimajor_Axis	= 7077.900
Orbit_Semiminor_Axis	= 7069.580
Orbit_Eccentricity	= 0.00118

```

Inclination_Angle           = 98.2098
Argument_Of_Perigee        = 90.0
Descending_Node_Row         = 60
Long_Path1_Row              = -64.6
Descend_Node_Time_Min      = "09:45"
Descend_Node_Time_Max       = "10:00"
Nodal_Regression_Rate      = 0.0856473
END_GROUP = ORBIT_PARAMETERS

GROUP = SCANNER_PARAMETERS
Lines_Per_Scan_30           = 16
Lines_Per_Scan_60           = 8
Lines_Per_Scan_15           = 32
Scans_Per_Scene              = 374
Swath_Angle                  = .NNNNN /* TBS by SBRS */
Scan_Rate                    = N.NNNNN /* TBS by SBRS */
Dwell_Time_30                = 9.6109603
Dwell_Time_60                = 4.8060000
Dwell_Time_15                = 19.2220000
Scan_Line_Length_30          = 6330
Scan_Line_Length_60          = 3165
Scan_Line_Length_15          = 12660
Filter_Frequency_30          = 52.02
Filter_Frequency_60          = 26.01
Filter_Frequency_15          = 115.0
IFOV_B1234                  = NN.NNNN /* TBS by SBRS */
IFOV_B57_along_scan         = NN.NNNN /* TBS by SBRS */
IFOV_B57_across_scan        = NN.NNNN /* TBS by SBRS */
IFOV_B6                      = NN.NNNN /* TBS by SBRS */
IFOV_B8_along_scan          = NN.NNNN /* TBS by SBRS */
IFOV_B8_across_scan         = NN.NNNN /* TBS by SBRS */
Scan_Period                  = 142.92500
Scan_Frequency               = 6.9967
Active_Scan_Time             = 60743.0
Turn_Around_Time              = NN.NNNN /* TBS by SBRS */
END_GROUP = SCANNER_PARAMETERS

GROUP = SPACECRAFT_PARAMETERS
ADS_Interval                 = 2.0
ADS_Roll_Offset               = 0.375
ADS_Yaw_Offset                = 0.875
ADS_Pitch_Offset              = 1.375
Data_Rate                     = NN.NNNN /* TBS by SBRS */
END_GROUP = SPACECRAFT_PARAMETERS

GROUP = MIRROR_PARAMETERS
OBJECT = ANGLES_SME1_SAM
Forward_Along_SME1_SAM        = (N.NNNNEN, N.NNNNEN,.....) /* 6 values TBS by SBRS */
Forward_Cross_SME1_SAM         = (N.NNNNEN, N.NNNNEN,.....) /* 6 values TBS by SBRS */
Forward_Angle1_SME1_SAM        = 67171.0
Forward_Angle2_SME1_SAM        = 67159.0
Reverse_Along_SME1_SAM         = (N.NNNNEN, N.NNNNEN,.....) /* TBS by SBRS */
Reverse_Cross_SME1_SAM         = (N.NNNNEN, N.NNNNEN,.....) /* TBS by SBRS */
Reverse_angle1_SME1_SAM        = 67159.0
Reverse_angle2_SME1_SAM        = 67171.0
END_OBJECT = ANGLES_SME1_SAM
OBJECT = ANGLES_SME2_SAM

```

```

Forward_Along_SME2_SAM = N.NNNNNEN, N.NNNNNEN,.....)
Forward_Cross_SME2_SAM = N.NNNNNEN, N.NNNNNEN,.....)
Forward_Angle1_SME2_SAM = 67182.0
Forward_Angle2_SME2_SAM = 67160.0
Reverse_Along_SME2_SAM = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Cross_SME2_SAM = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Angle1_SME2_SAM = 67160.0
Reverse_Angle2_SME2_SAM = 67182.0
END_OBJECT = ANGLES_SME2_SAM
OBJECT = ANGLES_SME1_BUMP
Forward_Along_SME1_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Forward_Cross_SME1_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Forward_Angle1_SME1_Bump = 67171.0
Forward_Angle2_SME1_Bump = 67159.0
Reverse_Along_SME1_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Cross_SME1_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Angle1_SME1_Bump = 67159.0
Reverse_Angle2_SME1_Bump = 67171.0
END_OBJECT = ANGLES_SME1_BUMP
OBJECT = ANGLES_SME2_BUMP
Forward_Along_SME2_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Forward_Cross_SME2_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Forward_Angle1_SME2_Bump = 67182.0
Forward_Angle2_SME2_Bump = 67162.0
Reverse_Along_SME2_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Cross_SME2_Bump = (N.NNNNNEN, N.NNNNNEN,.....)
Reverse_Angle1_SME2_Bump = 67160.0
Reverse_Angle2_SME2_Bump = 67182.0
END_OBJECT = ANGLES_SME2_BUMP
Error_Conversion_Factor = 0.18845E-6
END_GROUP = MIRROR_PARAMETERS

GROUP = SCAN_LINE_CORRECTOR
Primary_Angular_Velocity = 0.00966
Secondary_Angular_Velocity = 0.00960
Primary_Corrector_Motion = (N.NNNNN, N.NNNNN,.....)
Secondary_Corrector_Motion = (N.NNNNN, N.NNNNN,.....)
END_GROUP = SCAN_LINE_CORRECTOR

GROUP = FOCAL_PLANE_PARAMETERS
OBJECT = BAND_OFFSETS
Along_Scan_Band_Offsets = (NNNN.NNN, NNNN.NNN,.....)
Across_Scan_Band_Offsets = (NNNN.NNN, NNNN.NNN,.....)
Forward_Focal_Plane_Offsets = (NNNN.NNN, NNNN.NNN,.....)
Reverse_Focal_Plane_Offsets = (NNNN.NNN, NNNN.NNN,.....)
END_OBJECT = BAND_OFFSETS
OBJECT = DETECTOR_OFFSETS
Forward_Along_Scan_DO_B1 = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B1 = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B2 = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B2 = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B3 = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B3 = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B4 = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B4 = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B5 = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B5 = (NNN.NNN, NNN.NNN,.....)

```

```

Forward_Along_Scan_DO_B6      = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B6      = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B7      = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B7      = (NNN.NNN, NNN.NNN,.....)
Forward_Along_Scan_DO_B8      = (NNN.NNN, NNN.NNN,.....)
Reverse_Along_Scan_DO_B8      = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B1     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B1     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B2     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B2     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B3     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B3     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B4     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B4     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B5     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B5     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B6     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B6     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B7     = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B7     = (NNN.NNN, NNN.NNN,.....)
Forward_Across_Scan_DO_B8      = (NNN.NNN, NNN.NNN,.....)
Reverse_Across_Scan_DO_B8      = (NNN.NNN, NNN.NNN,.....)

/* 8 VALUES TBS by SBRS */
/* 8 VALUES TBS by SBRS */
/* 16 VALUES TBS by SBRS */
/* 16 VALUES TBS by SBRS */
/* 32 VALUES TBS by SBRS */
/* 32 VALUES TBS by SBRS */
/* 16 VALUES TBS by SBRS */
/* 32 VALUES TBS by SBRS */
/* 32 VALUES TBS by SBRS */

END_OBJECT = DETECTOR_OFFSETS
OBJECT = ODD_EVEN_OFFSETS
  Forward_Even_Detector_Shift = (NNN.NNN, NNN.NNN,.....)
  Forward_Odd_Detector_Shift = (NNN.NNN, NNN.NNN,.....)
  Reverse_Even_Detector_Shift = (NNN.NNN, NNN.NNN,.....)
  Reverse_Odd_Detector_Shift = (NNN.NNN, NNN.NNN,.....)

/* 8 VALUES TBS by SBRS */

END_OBJECT = ODD_EVEN_OFFSETS
END_GROUP = FOCAL_PLANE_PARAMETERS

GROUP = ATTITUDE_PARAMETERS
  Gyro_To_Attitude_Matrix     = (N.NNNNNNNN, N.NNNNNNNN,.....)
  ADSA_To_ETM+_Matrix         = (N.NNNNNNNN, N.NNNNNNNN,.....)
  Attitude_To_ETM+_Matrix     = (N.NNNNNNNN, N.NNNNNNNN,.....)
  Spacecraft_Roll_Bias        = N.NNNNNNNN
  Spacecraft_Pitch_Bias       = N.NNNNNNNN
  Spacecraft_Yaw_Bias         = N.NNNNNNNN

/* 9 VALUES TBS by LMC */
/* 9 VALUES TBS by LMC */
/* 9 VALUES TBS by LMC */
/* TBS by LMC */
/* TBS by LMC */
/* TBS by LMC */

END_GROUP = ATTITUDE_PARAMETERS

GROUP = TIME_PARAMETERS
  Scan_Time                   = 60743.0
  Forward_First_Half_Time     = 30371.4
  Forward_Second_Half_Time    = 30371.6
  Reverse_First_Half_Time     = 30371.6
  Reverse_Second_Half_Time    = 30371.4

END_GROUP = TIME_PARAMETERS

GROUP = TRANSFER_FUNCTION
OBJECT = IMU
  Fn                          = 2.201
  Zeta                        = 0.7022
  Tau                          = 1.4468E-3
  P                            = -3.259E-3
  Ak                           = 1.00121

/* 1 Value TBS by LMC */

END_OBJECT = IMU
OBJECT = ADS

```

```

ADS_num = (N.NNNNN, N.NNNNN,.....)
ADS_den = (N.NNNNN, N.NNNNN,.....)
ADS_num_temp = (N.NNNNN, N.NNNNN,.....)
ADS_den_temp = (N.NNNNN, N.NNNNN,.....)
/* 18 Values TBS by LMC */

END_OBJECT = ADS
OBJECT = PREFILTER
ADSPre_W = (N.NNNNNNN, N.NNNNNNN,.....)
ADSPre_H = (N.NNNNNNN, N.NNNNNNN,.....)
ADSPre_T = (N.NNNNNNN, N.NNNNNNN,.....)
/* 5 Values TBS by LMC */
/* 5 Values TBS by LMC */
/* 5 Values TBS by LMC */

END_OBJECT = PREFILTER
END_GROUP = TRANSFER FUNCTION

GROUP = UT1_TIME_PARAMETERS
UT1_Year = (YYYY, YYYY,.....)
UT1_Month = ("MMM", "MMM",.....)
UT1_Day = (NN,NN,.....)
UT1_Modified_Julian = (NNNN,NNNNN,.....)
UT1_X = (N.NNNNN, N.NNNNN,.....)
UT1_Y = (N.NNNNN, N.NNNNN,.....)
UT1_UTC = (N.NNNNN, N.NNNNN,.....)
/* 180 values TBS NEOS */

END_GROUP = UT1_TIME_PARAMETERS

GROUP = DETECTOR_STATUS
Status_Band1 = (NNNNN, NNNNN,.....)
Status_Band2 = (NNNNN, NNNNN,.....)
Status_Band3 = (NNNNN, NNNNN,.....)
Status_Band4 = (NNNNN, NNNNN,.....)
Status_Band5 = (NNNNN, NNNNN,.....)
Status_Band6 = (NNNNN, NNNNN,.....)
Status_Band7 = (NNNNN, NNNNN,.....)
Status_Band8 = (NNNNN, NNNNN,.....)
/* 16 values TBS by SBRS */
/* 8 values TBS by SBRS */
/* 16 values TBS by SBRS */
/* 32 values TBS by SBRS */

END_GROUP = DETECTOR_STATUS

GROUP = DETECTOR_GAINS
OBJECT = DETECTOR_GAINS_LOW
B1L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B1L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B1L_Current = (NNN.NNNN, NNN.NNNN,.....)
B2L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B2L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B2L_Current = (NNN.NNNN, NNN.NNNN,.....)
B3L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B3L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B3L_Current = (NNN.NNNN, NNN.NNNN,.....)
B4L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B4L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B4L_Current = (NNN.NNNN, NNN.NNNN,.....)
B5L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B5L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B5L_Current = (NNN.NNNN, NNN.NNNN,.....)
B6L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B6L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B6L_Current = (NNN.NNNN, NNN.NNNN,.....)
B7L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B7L_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B7L_Current = (NNN.NNNN, NNN.NNNN,.....)
B8L_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
/* 16 Values TBS SBRS */
/* 8 Values TBS SBRS */
/* 8 Values TBS SBRS */
/* 8 Values TBS SBRS */
/* 16 Values TBS SBRS */
/* 32 Values TBS SBRS */

```

```

B8L_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 32 Values TBS SBRS */
B8L_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 32 Values TBS SBRS */

END_OBJECT = DETECTOR_GAINS_LOW
OBJECT = DETECTOR_GAINS_HIGH

B1H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B1H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B1H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B2H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B2H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B2H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B3H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B3H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B3H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B4H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B4H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B4H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B5H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B5H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B5H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B6H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 8 Values TBS SBRS */
B6H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 8 Values TBS SBRS */
B6H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 8 Values TBS SBRS */
B7H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B7H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B7H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 16 Values TBS SBRS */
B8H_Prelaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 32 Values TBS SBRS */
B8H_Postlaunch          = (NNN.NNNN, NNN.NNNN,.....)      /* 32 Values TBS SBRS */
B8H_Current             = (NNN.NNNN, NNN.NNNN,.....)      /* 32 Values TBS SBRS */

END_OBJECT = DETECTOR_GAINS_HIGH
GROUP = DETECTOR_GAINS

GROUP = BIAS LOCATIONS
Forward_Bias_Location_30 = NNN                         /* TBS LPSO */
Reverse_Bias_Length_30   = NNN                         /* TBS LPSO */
Forward_Bias_Location_60 = NNN                         /* TBS LPSO */
Reverse_Bias_Length_60   = NNN                         /* TBS LPSO */
Forward_Bias_Location_15 = NNN                         /* TBS LPSO */
Reverse_Bias_Length_15   = NNN                         /* TBS LPSO */

END_GROUP = BIAS LOCATIONS

GROUP = DETECTOR_BIASES_B6
OBJECT = DETECTOR_BIASES_B6_LOW
B6L_Bias_Prelaunch     = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */
B6L_Bias_PostLaunch    = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */
B6L_Bias_Current       = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */

END_OBJECT = DETECTOR_BIASES_B6_LOW
OBJECT = DETECTOR_BIASES_B6_HIGH
B6H_Bias_Prelaunch     = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */
B6H_Bias_PostLaunch    = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */
B6H_Bias_Current       = (NNN.NNNN, NNN.NNNN,.....)      /* 8 VALUES TBS SBRS */

END_OBJECT = DETECTOR_BIASES_B6_HIGH
END_GROUP = DETECTOR_BIASES_B6

```

```

GROUP = ACCA_BIASES
OBJECT = ACCA_BIASES_LOW
    B1L_ACCA_Bias           = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
    B2L_ACCA_Bias           = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */

```

```

B3L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B4L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B5L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B6L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 8 Values TBS LPSO */
B7L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B8L_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 32 Values TBS LPSO */

END_OBJECT = ACCA_BIASES_LOW
OBJECT = ACCA_BIASES_HIGH

B1H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B2H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B3H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B4H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B5H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B6H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 8 Values TBS LPSO */
B7H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 16 Values TBS LPSO */
B8H_ACCA_Bias          = (NNN.NNNN, NN.NNNN,.....)      /* 32 Values TBS LPSO */

END_OBJECT = ACCA_BIASES_HIGH
END_GROUP = ACCA_BIASES

```

```

GROUP = ACCA_THRESHOLDS
Thresh_B3 = 0.300
Thresh_B56_High = 225.0
Thresh_B56_Low = 210.0
Thresh_B6 = 300.0
Thresh_B45_Ratio = 1.075
Thresh_B42_Ratio = 2.000
Thresh_B43_Ratio = 2.000
Thresh_NDSI_Max = 0.700
Thresh_NDSI_Min = 0.800
Thresh_NDSI_Snow = -0.250
Cloud_Percent_Min = 0.400
Desert_Index = 0.500
Thresh_Snow_Percent = 1.000
Thermal_Effect_High = 40.00
Thermal_Effect_Low = 30.00
B6max_Maxthresh_Diff = 2.000
END GROUP = ACCA_THRESHOLDS

```

```

GROUP = SCALING_PARAMETERS
OBJECT = SCALING_PARAMETERS_LOW
    B1L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B2L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B3L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B4L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B5L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B6L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B7L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B8L_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
END_OBJECT = SCALING_PARAMETERS_LOW
OBJECT = SCALING_PARAMETERS_HIGH
    B1H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B2H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B3H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B4H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B5H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B6H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */
    B7H_Lmin_Lmax          = (NN.NNNN, NN.NNNN)      /* 2 Values TBS LPSO */

```

```

B8H_Lmin_Lmax = (NN.NNNN, NN.NNNN) /* 2 Values TBS LPSO */
END_OBJECT = SCALING_PARAMETERS_HIGH
END_GROUP = SCALING_PARAMETERS

GROUP = MTF_COMPENSATION
  B1_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B1_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B2_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B2_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B3_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B3_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B4_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B4_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B5_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B5_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B6_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B6_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B7_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B7_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B8_weights_along = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
  B8_weights_across = (NN.NNNN, NN.NNNN,.....) /* 5 Values TBS LPSO */
END_GROUP = MTF_COMPENSATION

GROUP = MEMORY_EFFECT
  OBJECT = ME_MAGNITUDES
    B1_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B2_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B3_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B4_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B5_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B6_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 8 Values TBS LPSO */
    B7_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B8_ME_Magnitude = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 32 Values TBS LPSO */
  END_OBJECT = ME_EFFECT_MAGNITUDES
  OBJECT = ME_TIME_CONSTANTS
    B1_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B2_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B3_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B4_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B5_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B6_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 8 Values TBS LPSO */
    B7_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B8_ME_Time_Constant = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 32 Values TBS LPSO */
  END_OBJECT = ME_TIME_CONSTANTS
END_GROUP = MEMORY_EFFECT

GROUP = GHOST_PULSE
  Ghost_Pulse_Endpoints = (NNNN.NNNN, NNNN.NNNN,.....) /* 2 Values TBS LPSO */
END_GROUP = GHOST_PULSE

GROUP = SCAN_CORRELATED_SHIFT
  SCS_Reference_Detectors = (NN, NN,.....) /* 8 Values TBS LPSO */
  OBJECT = SCS_LOW
    B1L_SCS_Magnitudes = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B2L_SCS_Magnitudes = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B3L_SCS_Magnitudes = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B4L_SCS_Magnitudes = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */

```

```

B5L_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B7L_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */

END_OBJECT = SCS_LOW
OBJECT = SCS_HIGH
    B1H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B2H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B3H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B4H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B5H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
    B7H_SCS_Magnitudes          = (NNN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */

END_OBJECT = SCS_HIGH
END_GROUP = SCAN_CORRELATED_SHIFT

GROUP = STRIPPING
OBJECT = STRIPPING_FLAG_LOW
    Correction_Reference_B1_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B2_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B3_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B4_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B5_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B6_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B7_Low = N /* 1 Value TBS LPSO */
    Correction_Reference_B8_Low = N /* 1 Value TBS LPSO */

END_OBJECT = STRIPPING_FLAG_LOW
OBJECT = STRIPPING_FLAG_HIGH
    Correction_Reference_B1_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B2_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B3_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B4_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B5_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B6_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B7_High = N /* 1 Value TBS LPSO */
    Correction_Reference_B8_High = N /* 1 Value TBS LPSO */

END_OBJECT = STRIPPING_FLAG_HIGH
END_GROUP = STRIPPING

GROUP = HISTOGRAM
OBJECT = DETECTOR_NOISE
OBJECT = DETECTOR_NOISE_LOW
    Detector_Noise_Level_B1_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B2_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B3_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B4_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B5_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B6_Low = (NN.NNNN, NN.NNNN,.....) /* 8 Values TBS LPSO */
    Detector_Noise_Level_B7_Low = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B8_Low = (NN.NNNN, NN.NNNN,.....) /* 32 Values TBS LPSO */

END_OBJECT = DETECTOR_NOISE_LOW
OBJECT = DETECTOR_NOISE_HIGH
    Detector_Noise_Level_B1_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B2_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B3_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B4_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B5_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B6_high = (NN.NNNN, NN.NNNN,.....) /* 8 Values TBS LPSO */
    Detector_Noise_Level_B7_high = (NN.NNNN, NN.NNNN,.....) /* 16 Values TBS LPSO */
    Detector_Noise_Level_B8_high = (NN.NNNN, NN.NNNN,.....) /* 32 Values TBS LPSO */

```



```

Window_Samples_B3          = NNN           /* 1 Value TBS LPSO */
Window_Samples_B4          = NNN           /* 1 Value TBS LPSO */
Window_Samples_B5          = NNN           /* 1 Value TBS LPSO */
Window_Samples_B6          = NNN           /* 1 Value TBS LPSO */
Window_Samples_B7          = NNN           /* 1 Value TBS LPSO */
Window_Samples_B8          = NNN           /* 1 Value TBS LPSO */
END_OBJECT = WINDOW_WIDTH
OBJECT = WINDOW_LENGTH
Window_Scans_B1            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B2            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B3            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B4            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B5            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B6            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B7            = NNN           /* 1 Value TBS LPSO */
Window_Scans_B8            = NNN           /* 1 Value TBS LPSO */
END_OBJECT = WINDOW_LENGTH
OBJECT = OVERLAPPING_SCANS
Overlap_Scans_B1           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B2           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B3           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B4           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B5           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B6           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B7           = NNN           /* 1 Value TBS LPSO */
Overlap_Scans_B8           = NNN           /* 1 Value TBS LPSO */
OBJECT = OVERLAPPING_SCANS
END_GROUP = HISTOGRAM

GROUP = IMPULSE_NOISE
Median_Filter_Width         = 2
OBJECT = IN_STANDARD_DEVIATION
B1L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B2L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B3L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B4L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B5L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B6L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 8 Values TBS LPSO */
B7L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B8L_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 32 Values TBS LPSO */
B1H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B2H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B3H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B4H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B5H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B6H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 8 Values TBS LPSO */
B7H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B8H_Standard_Deviation      = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 32 Values TBS LPSO */
END_OBJECT = IN_STANDARD_DEVIATION
OBJECT = IN_THRESHOLD
B1L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B2L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B3L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B4L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B5L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */
B6L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 8 Values TBS LPSO */
B7L_Threshold               = (NN.NNNNNNNN, NN.NNNNNNNN,...) /* 16 Values TBS LPSO */

```

```

B8L_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 32 Values TBS LPSO */
B1H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B2H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B3H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B4H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B5H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B6H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 8 Values TBS LPSO */
B7H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 16 Values TBS LPSO */
B8H_Threshold          = (NN.NNNNNNNN, NN.NNNNNNNN,...)      /* 32 Values TBS LPSO */

OBJECT = IN_THRESHOLD
END_GROUP = IMPULSE_NOISE

GROUP = COHERENT_NOISE
Frequency_Components    = 10
OBJECT = CN_FREQUENCY_PARAMETERS
OBJECT = FREQUENCY_MEANS
B1_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B2_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B3_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B4_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B5_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B6_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B7_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B8_Frequency_Mean        = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
END_OBJECT = FREQUENCY_MEANS
OBJECT = FREQUENCY_SIGMAS
B1_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B2_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B3_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B4_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B5_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B6_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B7_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B8_Frequency_Sigma       = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
END_OBJECT = FREQUENCY_MEANS
OBJECT = FREQUENCY_MINIMUMS
B1_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B2_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B3_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B4_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B5_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B6_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B7_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B8_Frequency_Min         = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
END_OBJECT = FREQUENCY_MINIMUMS
OBJECT = FREQUENCY_MAXIMUMS
B1_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B2_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B3_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B4_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B5_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B6_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B7_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
B8_Frequency_Max          = (N.NNNNNNNN, N.NNNNNNNN,...)      /* 10 VALUES TBS LPSO */
END_OBJECT = FREQUENCY_MAXIMUMS
END_OBJECT = CN_FREQUENCY_PARAMETERS
OBJECT = CN_PHASE_PARAMETERS

```

```

OBJECT = PHASE_MEANS
  B1_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B2_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B3_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B4_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B5_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B6_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B7_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B8_Phase_Mean      = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
END_OBJECT = PHASE_MEANS

OBJECT = PHASE_SIGMAS
  B1_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B2_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B3_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B4_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B5_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B6_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B7_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B8_Phase_Sigma     = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
END_OBJECT = PHASE_SIGMAS

OBJECT = PHASE_MINIMUMS
  B1_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B2_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B3_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B4_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B5_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B6_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B7_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B8_Phase_Min       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
END_OBJECT = PHASE_MINIMUMS

OBJECT = PHASE_MAXIMUMS
  B1_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B2_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B3_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B4_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B5_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B6_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B7_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  B8_Phase_Max       = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
END_OBJECT = PHASE_MAXIMUMS

END_OBJECT = CN_PHASE_PARAMETERS

OBJECT = CN_MAGNITUDE_PARAMETERS
  OBJECT = MAGNITUDE_MEANS
    B1_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B2_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B3_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B4_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B5_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B6_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B7_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B8_Magnitude_Mean = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
  END_OBJECT = MAGNITUDE_MEANS
  OBJECT = MAGNITUDE_SIGMAS
    B1_Magnitude_Sigma = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B2_Magnitude_Sigma = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B3_Magnitude_Sigma = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */
    B4_Magnitude_Sigma = (N.NNNNNNNN, N.NNNNNNNN,.....)      /* 10 VALUES TBS LPSO */

```

```

B5_Magnitude_Sigma      = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B6_Magnitude_Sigma      = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B7_Magnitude_Sigma      = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B8_Magnitude_Sigma      = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */

END_OBJECT = MAGNITUDE_SIGMAS

OBJECT = MAGNITUDE_MINIMUMS
B1_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B2_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B3_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B4_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B5_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B6_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B7_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B8_Magnitude_Min        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */

END_OBJECT = MAGNITUDE_MINIMUMS

OBJECT = MAGNITUDE_MAXIMUMS
B1_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B2_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B3_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B4_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B5_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B6_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B7_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */
B8_Magnitude_Max        = (N.NNNNNNNN, N.NNNNNNNN,.....) /* 10 VALUES TBS LPSO */

END_OBJECT = MAGNITUDE_MAXIMUMS

OBJECT = CN_MAGNITUDE_PARAMETERS
END_GROUP = COHERENT_NOISE

GROUP = DETECTOR_SATURATION
OBJECT = AD_CONVERTER_SATURATION
OBJECT = AD_CONVERTER_SATURATION_LOW
High_AD_Level_B1_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B2_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B3_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B4_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B5_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B6_low     = (NNN, NNN,.....) /* 8 VALUES TBS SBRS */
High_AD_Level_B7_low     = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B8_low     = (NNN, NNN,.....) /* 32 VALUES TBS SBRS */
Low_AD_Level_B1_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B2_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B3_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B4_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B5_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B6_low      = (NNN, NNN,.....) /* 8 VALUES TBS SBRS */
Low_AD_Level_B7_low      = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
Low_AD_Level_B8_low      = (NNN, NNN,.....) /* 32 VALUES TBS SBRS */

END_OBJECT = AD_CONVERTER_SATURATION_LOW

OBJECT = AD_CONVERTER_SATURATION_HIGH
High_AD_Level_B1_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B2_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B3_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B4_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B5_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B6_high    = (NNN, NNN,.....) /* 8 VALUES TBS SBRS */
High_AD_Level_B7_high    = (NNN, NNN,.....) /* 16 VALUES TBS SBRS */
High_AD_Level_B8_high    = (NNN, NNN,.....) /* 32 VALUES TBS SBRS */

```

```

Low_AD_Level_B1_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B2_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B3_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B4_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B5_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B6_high           = (NNN, NNN,.....)          /* 8 VALUES TBS SBRS */
Low_AD_Level_B7_high           = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_AD_Level_B8_high           = (NNN, NNN,.....)          /* 32 VALUES TBS SBRS */

END_OBJECT = AD_CONVERTER_SATURATION_HIGH

END_OBJECT = AD_CONVERTER_SATURATION
OBJECT = ANALOG_SIGNAL_SATURATION
OBJECT = ANALOG_SIGNAL_SATURATION_LOW
High_Analog_Level_B1_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B2_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B3_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B4_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B5_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B6_low       = (NNN, NNN,.....)          /* 8 VALUES TBS SBRS */
High_Analog_Level_B7_low       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B8_low       = (NNN, NNN,.....)          /* 32 VALUES TBS SBRS */
Low_Analog_Level_B1_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B2_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B3_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B4_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B5_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B6_low        = (NNN, NNN,.....)          /* 8 VALUES TBS SBRS */
Low_Analog_Level_B7_low        = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B8_low        = (NNN, NNN,.....)          /* 32 VALUES TBS SBRS */

END_OBJECT = ANALOG_SIGNAL_SATURATION_LOW

OBJECT = ANALOG_SIGNAL_SATURATION_HIGH
High_Analog_Level_B1_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B2_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B3_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B4_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B5_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B6_high      = (NNN, NNN,.....)          /* 8 VALUES TBS SBRS */
High_Analog_Level_B7_high      = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
High_Analog_Level_B8_high      = (NNN, NNN,.....)          /* 32 VALUES TBS SBRS */
Low_Analog_Level_B1_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B2_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B3_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B4_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B5_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B6_high       = (NNN, NNN,.....)          /* 8 VALUES TBS SBRS */
Low_Analog_Level_B7_high       = (NNN, NNN,.....)          /* 16 VALUES TBS SBRS */
Low_Analog_Level_B8_high       = (NNN, NNN,.....)          /* 32 VALUES TBS SBRS */

END_OBJECT = ANALOG_SIGNAL_SATURATION_HIGH

END_OBJECT = ANALOG_SIGNAL_SATURATION
END_GROUP = DETECTOR_SATURATION

GROUP = REFERENCE_TEMPERATURES
OBJECT = REFERENCE_LOW
B1L_RTemp_Prelaunch           = NNN.NNN                  /* TBS SBRS */
B1L_RTemp_Postlaunch           = NNN.NNN                  /* TBS SBRS */
B1L_RTemp_Current              = NNN.NNN                  /* TBS SBRS */
B2L_RTemp_Prelaunch           = NNN.NNN                  /* TBS SBRS */
B2L_RTemp_Postlaunch           = NNN.NNN                  /* TBS SBRS */

```

```

B2L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B3L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B3L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B3L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B4L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B4L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B4L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B5L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B5L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B5L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B6L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B6L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B6L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B7L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B7L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B7L_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B8L_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B8L_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B8L_RTemp_Current          = NNN.NNN          /* TBS SBRS */

END_OBJECT = REFERENCE_LOW

OBJECT = REFERENCE_HIGH

B1H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B1H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B1H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B2H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B2H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B2H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B3H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B3H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B3H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B4H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B4H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B4H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B5H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B5H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B5H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B6H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B6H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B6H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B7H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B7H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B7H_RTemp_Current          = NNN.NNN          /* TBS SBRS */
B8H_RTemp_Prelaunch        = NNN.NNN          /* TBS SBRS */
B8H_RTemp_Postlaunch       = NNN.NNN          /* TBS SBRS */
B8H_RTemp_Current          = NNN.NNN          /* TBS SBRS */

END_OBJECT = REFERENCE_HIGH

END_GROUP = REFERENCE_TEMPERATURES

GROUP = SENSITIVITY_TEMPERATURES

OBJECT = SENSITIVITY_LOW

B1L_SCoeff_Prelaunch       = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B1L_SCoeff_Postlaunch      = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B1L_SCoeff_Current         = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B2L_SCoeff_Prelaunch       = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B2L_SCoeff_Postlaunch      = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B2L_SCoeff_Current         = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */
B3L_SCoeff_Prelaunch       = (NNN.NNNN, NNN.NNNN,...) /* TBS SBRS */

```

```

B3L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B3L_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4L_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4L_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5L_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5L_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeffOff_Prelaunch       = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeffOff_Postlaunch       = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6L_SCoeffOff_Current          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7L_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7L_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B8L_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B8L_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */

END_OBJECT = SENSITIVITY_LOW
OBJECT = SENSITIVITY_HIGH

B8H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B1H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B1H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B1H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B2H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B2H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B2H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B3H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B3H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B3H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B4H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B5H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeffOff_Prelaunch       = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeffOff_Postlaunch       = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B6H_SCoeffOff_Current          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B7H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B8H_SCoeff_Prelaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B8H_SCoeff_Postlaunch          = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */
B8H_SCoeff_Current             = (NNN.NNNN, NNN.NNNN,...)      /* TBS SBRS */

END_OBJECT = SENSITIVITY_HIGH
END_GROUP = SENSITIVITY_TEMPERATURES

GROUP = LAMP_RADIANCE
OBJECT = TRENDING_COEFFS
    Lamp1_Coeffs                = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 2 values TBS LPSO */
    Lamp2_Coeffs                = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 2 values TBS LPSO */
END_OBJECT = TRENDING_COEFFS

```



```

B8L_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B8L_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B8L_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B8L_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B8L_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B8L_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B8L_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */

END_OBJECT = LAMP_RADIANC_E_LOW
OBJECT = LAMP_RADIANC_E_HIGH

B1H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B1H_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B1H_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B1H_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */
B2H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B2H_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B2H_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B2H_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */
B3H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B3H_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B3H_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B3H_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */
B4H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B4H_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B4H_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B4H_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */
B5H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */
B5H_Rad_State2_Prelaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State2_Postlaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State2_Current      = NNN.NNNN /* TBS SBRS */
B5H_Rad_State3_Prelaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State3_Postlaunch   = NNN.NNNN /* TBS SBRS */
B5H_Rad_State3_Current      = NNN.NNNN /* TBS SBRS */
B7H_Rad_State1_Prelaunch   = NNN.NNNN /* TBS SBRS */
B7H_Rad_State1_Postlaunch   = NNN.NNNN /* TBS SBRS */
B7H_Rad_State1_Current      = NNN.NNNN /* TBS SBRS */

```

```

B7H_Rad_State2_Prelaunch      = NNN.NNNN    /* TBS SBRS */
B7H_Rad_State2_Postlaunch     = NNN.NNNN    /* TBS SBRS */
B7H_Rad_State2_Current        = NNN.NNNN    /* TBS SBRS */
B7H_Rad_State3_Prelaunch     = NNN.NNNN    /* TBS SBRS */
B7H_Rad_State3_Postlaunch    = NNN.NNNN    /* TBS SBRS */
B7H_Rad_State3_Current        = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State1_Prelaunch     = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State1_Postlaunch    = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State1_Current        = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State2_Prelaunch     = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State2_Postlaunch    = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State2_Current        = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State3_Prelaunch     = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State3_Postlaunch    = NNN.NNNN    /* TBS SBRS */
B8H_Rad_State3_Current        = NNN.NNNN    /* TBS SBRS */

END_OBJECT = LAMP_RADIANC HIGH
END_GROUP = LAMP_RADIANC

GROUP = LAMP_REFERENCE
OBJECT = LAMP_REFERENCE_LOW
B1L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B1L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B1L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B2L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B2L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B2L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B3L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B3L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B3L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B4L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B4L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B4L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B5L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B5L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B5L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B7L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B7L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B7L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B8L_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B8L_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B8L_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */

END_OBJECT = LAMP_REFERENCE_LOW
OBJECT = LAMP_REFERENCE_HIGH
B1H_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B1H_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B1H_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B2H_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B2H_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B2H_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B3H_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B3H_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B3H_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B4H_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B4H_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B4H_Lmp_Rtemp_Current        = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */
B5H_Lmp_Rtemp_PreLaunch      = (NNN.NNNN, NNN.NNNN,...) /* 10 Null Values */
B5H_Lmp_Rtemp_Postlaunch     = (NNN.NNNN, NNN.NNNN,...) /* 10 Values TBS LPSO */

```

```

B5H_Lmp_Rtemp_Current      = (NNN.NNNN, NNN.NNNN,.....)
B7H_Lmp_Rtemp_PreLaunch   = (NNN.NNNN, NNN.NNNN,.....)
B7H_Lmp_Rtemp_Postlaunch  = (NNN.NNNN, NNN.NNNN,.....)
B7H_Lmp_Rtemp_Current     = (NNN.NNNN, NNN.NNNN,.....)
B8H_Lmp_Rtemp_PreLaunch   = (NNN.NNNN, NNN.NNNN,.....)
B8H_Lmp_Rtemp_Postlaunch  = (NNN.NNNN, NNN.NNNN,.....)
B8H_Lmp_Rtemp_Current     = (NNN.NNNN, NNN.NNNN,.....)
END_OBJECT = LAMP_REFERENCE_HIGH
END_GROUP = LAMP_REFERENCE

GROUP = RADIANCE_SENSITIVITY
OBJECT = RADIANCE_SENSITIVITY_LOW
B1L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B1L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B1L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B2L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B2L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B2L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B3L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B3L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B3L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B4L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B4L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B4L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B5L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B5L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B5L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B7L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B7L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B7L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B8L_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B8L_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B8L_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
END_OBJECT = RADIANCE_SENSITIVITY_LOW
OBJECT = RADIANCE_SENSITIVITY_HIGH
B1H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B1H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B1H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B2H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B2H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B2H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B3H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B3H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B3H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B4H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B4H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B4H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B5H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B5H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B5H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B7H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B7H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B7H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
B8H_Rad_Temp_SCoeff_Prelaunch = (NNN.NNNN, NNN.NNNN,.....)
B8H_Rad_Temp_SCoeff_Postlaunch = (NNN.NNNN, NNN.NNNN,.....)
B8H_Rad_Temp_SCoeff_Current  = (NNN.NNNN, NNN.NNNN,.....)
END_OBJECT = RADIANCE_SENSITIVITY_HIGH

```


B4L_Coefficients_Detector7
B4L_Coefficients_Detector8
B4L_Coefficients_Detector9
B4L_Coefficients_Detector10
B4L_Coefficients_Detector11
B4L_Coefficients_Detector12
B4L_Coefficients_Detector13
B4L_Coefficients_Detector14
B4L_Coefficients_Detector15
B4L_Coefficients_Detector16
B5L_Coefficients_Detector1
B5L_Coefficients_Detector2
B5L_Coefficients_Detector3
B5L_Coefficients_Detector4
B5L_Coefficients_Detector5
B5L_Coefficients_Detector6
B5L_Coefficients_Detector7
B5L_Coefficients_Detector8
B5L_Coefficients_Detector9
B5L_Coefficients_Detector10
B5L_Coefficients_Detector11
B5L_Coefficients_Detector12
B5L_Coefficients_Detector13
B5L_Coefficients_Detector14
B5L_Coefficients_Detector15
B5L_Coefficients_Detector16
B7L_Coefficients_Detector1
B7L_Coefficients_Detector2
B7L_Coefficients_Detector3
B7L_Coefficients_Detector4
B7L_Coefficients_Detector5
B7L_Coefficients_Detector6
B7L_Coefficients_Detector7
B7L_Coefficients_Detector8
B7L_Coefficients_Detector9
B7L_Coefficients_Detector10
B7L_Coefficients_Detector11
B7L_Coefficients_Detector12
B7L_Coefficients_Detector13
B7L_Coefficients_Detector14
B7L_Coefficients_Detector15
B7L_Coefficients_Detector16
B8L_Coefficients_Detector1
B8L_Coefficients_Detector2
B8L_Coefficients_Detector3
B8L_Coefficients_Detector4
B8L_Coefficients_Detector5
B8L_Coefficients_Detector6
B8L_Coefficients_Detector7
B8L_Coefficients_Detector8
B8L_Coefficients_Detector9
B8L_Coefficients_Detector10
B8L_Coefficients_Detector11
B8L_Coefficients_Detector12
B8L_Coefficients_Detector13
B8L_Coefficients_Detector14
B8L_Coefficients_Detector15


```

B8H_Coefficients_Detector15      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B8H_Coefficients_Detector16      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
END_OBJECT = REFLECT_IC_COEFFS_HIGH
END_GROUP = REFLECT_IC_COEFFECTS

GROUP = FASC_PARAMETERS
FASC_Reference_Detectors          = (NN, NN,.....)                                /* 8 values TBS LPSO */
END_GROUP = FASC_PARAMETERS

GROUP = B6_IC_COEFFECTS
OBJECT = B6_IC_COEFFECTS_LOW
B6L_Coefficients_Detector1      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector2      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector3      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector4      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector5      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector6      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector7      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6L_Coefficients_Detector8      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
END_OBJECT = B6_IC_COEFFECTS_LOW
OBJECT = B6_IC_COEFFECTS_HIGH
B6H_Coefficients_Detector1      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector2      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector3      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector4      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector5      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector6      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector7      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
B6H_Coefficients_Detector8      = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 14 Values TBS LPSO */
END_OBJECT = B6_IC_COEFFECTS_HIGH
END_GROUP = B6_IC_COEFFECTS

GROUP = B6_VIEW_COEFFECTS
B6_View_Coefficients_Detector1    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector2    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector3    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector4    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector5    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector6    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector7    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
B6_View_Coefficients_Detector8    = (SNNN.NNNNNNNN, SNNN.NNNNNNNN,...) /* 10 Values TBS LPSO */
END_GROUP = B6_VIEW_COEFFECTS

GROUP = THERMISTOR_COEFFECTS
Black_Body_Isolated_Temp          = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Black_Body_Control_Temp           = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cold_FP_Control_Temp              = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cold_FP_Monitor_Temp              = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cal_Shutter_Flag_Temp              = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Backup_Shutter_Flag_Temp           = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Baffle_Heater_Temp                 = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Silicon_FP_Array_Temp              = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Primary_Mirror_Temp                = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Primary_Mirror_Mask_Temp            = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Secondary_Mirror_Temp               = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Secondary_Mirror_Mask_Temp          = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Scan_Line_Corrector_Temp             = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */

```

```

MEM_Heat_Sink_PS1_Temp          = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
MEM_Heat_Sink_PS2_Temp          = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Baffle3_Tube_Temp               = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Baffle2_Support_Temp            = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cal_Shutter_Housing_Temp        = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cal_Shutter_Hub_Temp            = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Ambient_Preamp_HighCh_Temp     = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Ambient_Preamp_LowCh_Temp      = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Postamp_Temp                    = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Cold_Preamp_B7_Temp             = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
MEM_TB1_Temp                     = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
TelescopE_Baseplate_Temp        = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
Pan_Band_Postamp_Temp           = (NNN.NNNNNNNN, NNN.NNNNNNNN,...) /* 5 Values TBS LPSO */
END_GROUP = THERMISTOR_COEFFS

GROUP = FILL_PATTERNS
    Band_Fill_Pattern           = (0, 255)
END_GROUP_FILL_PATTERNS

GROUP = ENGINEERING_DATA
    Telemetry_Conversion          = (NNNN.NNNNNNNN, NNNN.NNNNNNNN,...) /* 6 Values TBS LMC */
    Position_Conversion            = 2.0E-08
    Velocity_Conversion            = 2.0E-28
END_GROUP = ENGINEERING_DATA

END

```

